Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.



A LIST OF THE APHIDS OF OREGON

(HOMOPTERA: APHIDIDAE)

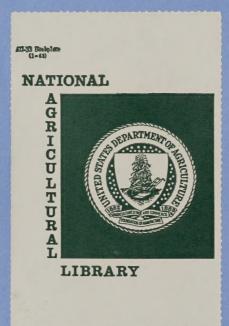
MORTIMER DEMAREST LEONARD
COLLABORATOR

AGRICULTURAL RESEARCH SERVICE

U. S. DEPARTMENT OF AGRICULTURE

2480 I6TH ST., N.W., WASHINGTON, D.C. 20009

Pullished by the Onegon Department of agriculture Salem, Onegon, august 197,4



ABSTRACT

The occurrence in Oregon is recorded for a total of about 352 aphids. Of these 323 are determined specifically, 14 to genus only and 15 determined with a query. A list of 474 food plants is included of which 339 are determined to species and 135 to genus.

A LIST OF THE APHIDS OF

OREGON.

(Homoptera: Aphididae)

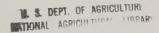
Mortimer Demarest Leonard

Collaborator

Agricultural Research Service

U. S. Department of Agriculture

2480 16th St., N.W., Washington, D.C. 20009



OCT 1 4 1976

CATALOGING - PREP.

enter to the

(संदर) । एउट स्ट्रा

OCT 1 A1976

CALALLICIAN - PIEF

INTRODUCTION

Harley Frost Wilson was born on April 14, 1883 in Del Norte, Colorado. He took his B. S. degree in Colorado State College. While there he became interested in aphids through Professor C.P. Gillette who shortly before began to publish on these insects. He was in the Department of Entomology, Oregon State College from 1910 - 1915. As a result of his residence in Oregon, Wilson published 5 papers in which 29 aphids were described as new and several others were recorded from Oregon. (See Wilson 1912a and 1912b, 1915, 1919).

On July 5, 1934 I paid a visit to the Department of Entomology then in Oregon State College at Corvallis. I met Dr. Don C. Mote, Department Head and Joe Schuh, a student. The latter had begun to collect aphids the previous year during which time I also had started to collect aphids in the East. I told Dr. Mote and Mr. Schuh that I believed Dr. A. N. Tissot of the University of Florida would be willing to name aphids for them, if they wished, as he had been doing for me.

As a result Mote and Schuh and others in the Department sent aphids to Tissot collected mostly from 1932 - 1940. A. D. Wilbur sent over 60 collections made in 1925 and 1926 during which time he was Survey Entomologist on the Department staff. A total of something more than 400 determinations were made by Tissot from about 30 collectors.

In 1952, 1957 and 1958, Dr. George F. Knowlton (See References) published a large number of aphid records. Although these were largely from Utah he included records of 28 species from Oregon, 14 of which were not previously noted.

Principal Collectors in Oregon

Crumb, Jr., S.E. (OSU) at least 100 colls.

Schuh, Joe (OSU and Consulting Ent) at least 100 colls.

Wilson, H.F. about 50 colls.

Gray, Kenneth (OSU and Pacific Supply Co) about 60 colls.

Wilbur, D.A. (OSU) about 60 colls.

Dimick, R.E. (OSU) about 28 colls.

Edwards, W.D. (OSU) 16 colls.

Hsiao, T.Y. (OSU) 15 colls.

Larson, F.P. (State Dept of Agr.) 14 colls.

Gentner, L.G. (S. Ore. Exp. Station) about 80 colls.

PACE TO THE TOTAL

Lefts Types stated who much an April 18, 1 ll left to select a control of select a control of select a control of select and control

This is 1914 paid a wait to inc maps and a large state of the control of the cont

Apples of Treed College and Miles of Treed Colle

In 1952, 1957 and 1953, Dr. Baute mint and all areas and all areas are public and a service and a service and a service areas are provided as a service and a service areas are provided as a service and a service areas are provided.

m m m lmlf.

Tr., S. W. (OKU) at the Olice and LOG office and Lo

Other Collectors

(Less than 10 colls each -- No. colls in parens)

Bailey, F.D. (1)
Best, G.D. (2)
Candee, A.L. (1)
Cline, H.F. (1)
Dykstra, T. (1)
Ferguson, George (6)
Gillespie, D.C. (1)
Jones, S.C. (2)
Keen, D.S. (2)
Leonard, M.D. (6)

Lovett, R.L. (1)
Mote, D.C. (5)
Mullen, V. (3)
Rampton, M.M. (1)
Roaf, J. (2)
Richman, R.D. (2)
Scullen, H.A. (2)
Stoker, G.L. (1)
Vertrees, J.D. (9)
Weaver, Lloyd (7)
Zeller, S.M. (2)

Principal Determiners

AGR (A.G. Robinson, University of Manitoba) about 250 colls.

ANT (A.N. Tissot, University of Florida) over 400 colls.

Crumb, Jr., S.E. (OSU) many colls.

Dickson, R.C. (University of California) a number of colls.

EOE (E.O. Essig, University of California) about 300 colls.

HRL (D. Hille Ris Lambers, The Netherlands) several colls.

LMR (Louise M. Russell, USMN) a number of colls.

Schuh, Joe (OSU) many colls.

Wilson, H.F. (OSU) about 50 colls.

In the present paper the occurrence in Oregon is recorded for about 352 aphids specifically determined. About 29 are determined with a query or only to genus. A list of about 474 food plants is included and at the end the several references to literature cited are given.

It is believed that most of the collections recorded in this paper are represented in the Collection of the Department of Entomology, Oregon State University.

I wish to express my sincere appreciation to Dr. Kenton L. Chambers, Curator of the Herbarium, Department of Botany, Oregon State University, for checking the correctness of the plant names in the List of Food Plants.

I also want to express my special thanks to Mr. F.P. Larson, Entomologist of the Oregon Department of Agriculture for supervising the preparation of this paper for final publication and to his secretary, Mrs. Peggy Webb for her painstaking work in the preparation of the typescript.

hours and service at the service at

It is believed to the onless on the contract on agont all the Collect on agont alors, Obegun State

er charp the output area of the charper of the char

I also went to express my spect (area of the breeze resided of the Oregon Objectives of the orea of the Oregon Objectives of the orea of the secretary reparation of this maper for the first substitution of the orea of the preparation of the orea of the orea

Dr. Paul O. Ritcher, OSU, kindly made available to me for examination all of the slides of aphids in the OSU Collection by shipping them to me to my Washington, D.C. address.

A number of localities are naturally repeated in the text, some of these several times, a few of them several dozen times. In order to save space I have listed below a number of these with the Counties for each in caps and parens:

Albany (LINN)
Alsea (LINN)
Astoria (CLATSOP)
Corvallis (BENTON)
Eugene (LANE)
Forest Grove (WASHINGTON)
Goble (COLUMBIA)
Grants Pass (JOSEPHINE)
Gresham (MULTNOMAH)
Hood River (HOOD RIVER)
Klamath Falls (KLAMATH)
McMinnville (YAMHILL)

Medford (JACKSON)
Milton-Freewater (UMATILLA)
Multnomah Falls (MULTNOMAH)
Ochoco Ranger Station (CROOK)
Ollalie (JEFFERSON)
Philomath (BENTON)
Portland (MULTNOMAH)
Salem (MARION)
Scappoose (COLUMBIA)
Talent (JACKSON)
Troutdale (MULTNOMAH)
Yachats (LINCOLN)

Samuel Ebb Crumb, Jr. submitted a manuscript entitled "The Biology and Control of the Insect Vectors of Potato Viruses in Oregon "to the Department of Entomology, OSU, in partial requirement for his Ph.D. A typescript of this thesis is on file in the Library of the Department. It is dated June 1949. He reviews at length the work of Dykstra et al on potato virus diseases in Oregon and discusses at length several aphids in Oregon which, however, do not transmit potato viruses there except for Myzus persicae (Sulzer), the Green Peach Aphid. This aphid is shown to be an important vector of potato virus diseases in the State. Details of experiments to control this insect with several insecticides during four seasons are given in an attempt to reduce virus transmission by killing M. persicae.

(Dr. Crumb, Jr. was born Oct. 24, 1927 at Clarksville, Tenn. OSU BS June 1940; OSU Ph D 1949; OSU Lab Asst March - June 1940; Research Fellow Oct 1940 - June 1941; U S Army Medical Det. (Capt) June 1941 - June 1946; Grad Asst Sept 1946 - June 1947; 1/2 time Asst in Entomology June 1947 - June 1948; Asst in Ent June 1947 - June 1948; Asst Ent Ag Exp Sta 1948 - 1951. He committed suicide in 1951.)

etus j. d. de elle . d. mane . . et elle . d. mane . . et elle . d. mane . . . et elle . d. et elle . d. et elle . d. et elle . d. et elle . et el

ember of california naturalist of these on the particles of the service of the se

CLAND MATERIAL COLLEGE COLLEGE

term our off to louded him you have a start off to louded him you have a start of the marked in the same of the sa

(Dr. (c) 65, 1) was horn Ac. 20, 2 Bs June 19 4; Ed 12 a 1969; OSE Lx L Fallow Ock 1940 und 1961 may 1941 - This 1940; Edd 1 500 5 . Och ony June 194

10000

LIST OF APHIDS

Acyrthosiphon lactucae (Passerini)

(Synonyms include: A. barri (Essig) and A. scariolae Nevsky

Tillamook no date, on lettuce (Co Agr Agt leg -- Knlt det).

Corvallis 2.X.52 on Lactuca sp. (Amen leg AGR det); 13.VI.42 on cult head lettuce (Schuh leg -- AGR det).

Madras 16.IX.53 on Chinese lettuce (Amen leg -- AGR det).

Talent 21.X.52 on L. serriola (Gentner leg -- EOE det).

Acyrthosiphon macrosiphum (Wilson)

- Corvallis 7.IV.11 and 3.IX.11 on wild rose and Amelanchier alnifolia types (Wilson 1912 pp. 155-156).
- Pacific North West -- Hood River, Wenatchee, Yakima 1940 on Anjou pears doing considerable damage (Childs leg -- EOE det).
- Ochoco Ranger Station 29.V.41 on A. alnifolia (Schuh leg -- EOE det).

"First collected about Corvallis, Oregon on Amelanchier alnifolia July 4, 1911. Found in small colonies and not very plentiful." (Wilson in Can. Ent. 44:155, June 1912).

- Rocky Point 22.VII.46 on A. alnifolia (Schuh leg -- AGR det).
- Mt. Hood, Freemore Point 26.VII.49 on A. florida and A. alnifolia (E A Dickason leg).

Acyrthosiphon pelargonii (Kaltenbach) Geranium Aphid

- Corvallis 26.VI.43 on Geranium (Schuh leg -- CFS det); 27.VI.42 on Geranium (Schuh leg -- AGR det).
- West Salem 27.VI.53 on sticky colored board (Larson & Davis leg -- Palmer det via Knlt).
- Ten Mile 27.VI.42 on Geranium molle (Schuh leg -- AGR det).

Acyrthosiphon pisum (Thomas) Pea Aphid

Lawrence Peck Rockwood, while stationed in the USDA field laboratory at Forest Grove, Oregon, sent to the Insect Pest Survey in Washington,

TIET IS SENTING

| | Technic off force | |
|---------------|-------------------|---------------|
| rever factors | | ease sections |

" more and an alternative of the same of t

Alls 2.2.72 a L. Lord & (Armer

(10t Now - 3: -an eshiller past)

rn. 16.14.53 no Chtaved let MG

lear 21.X.52 or c. old (Grat t.m.

ar souther's the modeline of

milits 7. IV 11 and 3.18.21 · wilt com Eypes (Wilson 19:2 pp. 12 ·).

effic North west -- seed Sive June).

doing considerable to the North M EVL !

moc. Kance see 20. st m : oldical a fach

Foliar 22. Vily At on a. ala a (Set It)

Rood, Pleemire Point of VI 'Wood of trial.

Acqueuco do pelorgona Well abook)

filts 15.VI.63 on torcorum (Schut, 184 -Corportus (Schutt 188 -- ACC det.

oc Salem 27.83 50 or access colored booms

L Mile 27. Vi Vi co Gorangen molla (Schut inx

According to a second filter of the second o

. on Peck Dockwood, while startened in the URBA light absence; a souther the inspect Peck Street as southerful.

... hereing will be a control

- D.C. 58 individual reports on the pea aphid in Oregon between 1921 and 1946. His detailed notes present a comprehensive picture of the pea aphid as being widespread and often very injurious to the commercial leguminous crops grown in the State. An informative note by Rockwood dated 25 Nov 1922 is as follows:
- "We have reports of the occurrence of the pea aphid on vetch on so many places in Western Oregon, all the way from Eugene, Oregon to the Canadian boundary, that there is no doubt that the insect occurs all over the region from the Cascades to the Pacific Ocean.
- "This aphid has periodically caused widespread destruction of vetch seeded for hay and seed, field peas and garden peas in gardens and field grown for seed. The last great outbreak of this insect was in 1918 when it is conservatively estimated that 75% of the unusually large acreage of vetch of that season was rendered worthless. Less widespread injury has occurred locally, notably in other seasons, notably in the central Willamette Valley from Jefferson to Junction City where much vetch seed is grown. This injury according to H A Schoth of the U S Bureau of Plant Industry is often only to the seed crop. Mr. Schoth wrote in May 6, 1920 that 'it takes comparatively few aphids to reduce the seed crop or to eliminate it altogether for the reason that the aphids work continually on the very newest portions of the plants and in so doing damage the seed buds so severely that practically all of them fall off before they come into blossom. Under such conditions a hay crop is secured'."
- Corvallis 7.VI.12 on peas (Gentner leg -- Wilson det); 8.VI.38 on vetch (Hsiao leg -- ANT det); 30.VI.38 on asparagus (Hsiao leg -- ANT det); 23.VII.46 on pear (Crumb leg -- AGR det); 31.III.36 on vetch and field peas (Schuh leg); 25.VII.25 on alfalfa (Wilbur leg -- ANT det); 10.V.31 on Cytisus scoparia (Gray leg -- ANT det); 8, 22.VII.35 on garden peas (Gray leg -- ANT det); 26.VII.35 on alsike clover (Gray -- ANT det); 29.IX.35 Hungarian peas (Gray leg -- ANT det); 21.XI.35 on hairy vetch (Gray leg -- ANT det); 16.VII.35 and 21, 25.IX.35 on common vetch (Gray leg -- ANT det); 15.VII.35 and 30.IX.35 on crimson clover (Gray leg -- ANT det); 19, 25.IX.35 on white clover (Gray leg -- ANT det); 9, 19.IX.35 on red clover (Gray leg -- ANT det); 15.VII.35 on soybean (Gray leg -- ANT det); 16.VII., 19, 26.IX. and 4.VII.36 on alsike clover (Gray leg -- ANT det); 25.IX.35 and 4.VII.36 on ladino clover (Gray leg -- ANT det); 16.VII.35 on sweet clover (Gray leg -- ANT det); 20.IX36 on bur-clover (Gray leg -- ANT det); 26. VII. 36 on Robinia pseudoccacia Schuh & Gray let -- ANT det); 3.VIII.49 on red clover (Dickason leg -- EOE det).
- Astoria 10.V.36 on Cytisus scoparius (Gray leg -- ANT det); 26.VII.36 on Robinia pseudaccacia (Schuh & Gray leg -- ANT det); 7.IV.36 and 16. 19. 26.VII.35 on alsike clover (Gray leg -- ANT det);

3.2. 39 likelih lisawera in in interior in the pear arbit. It is a view or in interior in the pear arbit. It is a view or in interior in i

response to the street of the

The cathegree section of 7.01 strong as the section of 7.01 strong as the section of 60 7.01 strong

26.IX.35 on bur-clover (Gray leg -- ANT det); 15.VIII.35 and 25.IX.35 on crimson clover (Gray leg -- ANT det); 4.VII.36 and 25.IX.35 on ladina clover (Gray leg -- ANT det); 19, 26.IX.35 on red clover (Gray leg -- ANT det); 25, 25.IX.35 on white clover (Gray leg -- ANT det); 16.VIII.35 on sweet clover (Gray leg -- AND det); 13, 22.VIII.35 on Austrian peas (Gray leg -- ANT det) 26.IX.35 on Hungarian peas (Gray leg -- ANT det); 8, 22.VII.35 on garden peas (Gray leg -- ANT det); 15.VIII.35 on soybean (Gray leg -- ANT det); 16.VIII.35, 25.IX.35, 21.XI.35 on common vetch (Gray leg -- ANT det); 26.IX.35 and 21.XI.35 on hairy vetch (Gray leg -- ANT det).

Independence (Polk Co.) 15.VI.35 on hop clover (Larson leg -- ANT det).

Dallas (Polk Co.) 9.X.23 on Cytisus scoparia (Keen leg -- ANT det).

Forest Grove 26.II.23 on Cytisus scoparius (Keen leg -- ANT det).

Gresham 29.VIII.45 and 22.VII.45 on potato (Schuh leg -- EOE det);
5.VIII.42 on Fragaria sp. (EOE det).

Klamath Falls VI.46 on potato (Schuh -- EOE det); V.VI.IX.46 on Urtica sericea (Schuh leg -- EOE det).

Corbett (Mult Co) 11.VII.46 on potato and Trifolium dubium (Schuh leg --AGR det).

Albany 30. III. 41 on vetch (P. Mowry leg -- AGR det).

Culver 8.VII.52 on ladino clover (E A Dickason leg -- AGR det).

Peavine Ridge, near McMinnville 13.VII.46 "sweepings" (Fender leg -- AGR det).

Oregon City 10.VI.42 on Lotus sp (Schuh leg -- AGR det).

Willow Creek (Malheur Co) 26.V.46 no plant (Knlt leg -- AGR det).

Granger (Benton Co) 13.VI.50 on red clover (Dickason leg -- EOE det).

"Light in fields of Alaska peas in Clackamas and Marion Counties (Gray)" in CEIR 21(25): 431, 18 June 1971)

Portland 22.V.51 on peas (J W Bell leg -- Knlt det); 19.VIII.14 on sweet peas (Gentner leg -- Wilson det); 9.XII.49 on ? (J W Bell leg -- AGR det).

Eugene 6.II.51 on beans (Amen leg -- AGR det).

or . I I mount small

1105)

Fig. 4 meth reson minor CS-11.61 event &

fill had a few and the IN 117.60 F

blaire regional (Seri leg the decil

in 20.11.31 of rates of therety has ame

8, Vill 2 an Labor to A of Act of the Lorente

Or only 10 Mart or when sp 180 min was . And of

ne. (Medica Go) 13.51.75 on red clavit (Dicher) :

he is fields of Plasty pass on Civetenna and has additioned at the USIR 21(25): 431. 13 fonc (97)

explain 27.V.51 on was (1 W Bell 10% - KDIV not explained peak (Cauches les -- William det - 5.KT) -- Cauches les -- AUR det).

' in for -- pel nect) sense on incline

Acyrthosiphon porosum (Sanderson) (sometimes placed in Rhodobium) Yellow Rose Aphid

Corvallis 22.VIII.54 (CRA leg -- Nielsson det) on primrose.

Acyrthosiphon scarioli (Nevsky) See A. lactucae (Page 4)

Acyrthosiphon solani (Kaltenbach)
Foxglove Aphid
(European workers place in Aulacorthum)

Corvallis 27.III.26 on tulip, 4.VIII.26 on Azalea sp., and 16.IV.26 on rhubarb (Wilbur leg -- ANT det); 20.IV.51 on lettuce (McHenry leg -- Nielsson det); 10.VI.42 on Japanese quince (Schuh leg -- AGR det); 25.V.48, 20.III.48 and 10.XI.46 (on potato Crumb leg) (Schuh leg -- AGR det); 12.VI.42 on okra, 29.VI.42 on Sanguisorbe sp. (Schuh leg -- AGR det); July 1934 on cult strawberry (?col1 -- ANT det); 6.V.41 on Vinca minor (H Ostlind leg -- EOE det); 8.V.48 on parsnip (Crumb leg -- EOE det); 16.IX.47 on parsnip (Crumb leg -- LMR det); 3.XI.46 on potato (Crumb leg -- EOE det); 4.VIII.46 on potato (Crumb leg -- LMR det); 21.V.49 on celery in greenhouse (Crumb leg -- EOE det); 12.XI.24 on Cineraria sp. (T. Bell leg -- EOE det); 12.VI.48 on Brassica nigra (Crumb leg -- AGR det); 19.IV.53 on Chrysanthemum sp. (Amen leg -- AGR det); 25.VI.50 on tomato (Amen leg -- AGR det).

Ten Mile 27.VI.42 on Cerastium vulgatum (Schuh leg -- AGR det).

- Waldport, 3 mi S of, 26.VI.42 on Franseria chamissonis bipennatisecta (Bursage) (Schuh leg -- AGR det).
- Talent 5.V.54 common on Taraxacum officinale (Gentner leg -- EOE det); 25.VI.53 on Helichrysum bracteatum (Gentner leg -- EOE det); 2.V.61 on pear (Gentner leg -- LMR det).
- Medford 28.I.58 on Cyclamen sp. in greenhouse (Gentner leg -- EOE det).
- Seaside (Clatsop Co) 23.IV.36 on pansy (Gray leg -- Nielsson det); 1.VIII.45 on tuberous Begonia (Gotten leg -- EOE).
- Gresham 8.VII.43 on Solanum nigrum(Schuh leg -- AGR det); 8.V.42 on
 strawberry (Schuh leg -- EOE det); 22.VII.45 and 8.VIII.45 on
 potato (Schuh leg -- EOE det); 4.V.42 on Geum macrophyllum
 (Schuh).

fore orbits i in proof marketing truck to a the stand was the latter

T do 12.VVII.50 (CMA 100 -- 171 cases over 22 or or over

Acquibles of carrol (westing

Neutrino to a soleni (Kellenboek)
Fixeleye hana
Fixepean o are page

131. 27.14.26 on the 177 on or thisse as and 177.7 on this thing (16.5 on the contribute) (16.5

17.71 le 27.VI.w2 or do requestran volvanta (soboth leg -- well det).

ort, 1 et 5 of, 26.Vi.42 in Pranteria chimissonis propernatamente. Pomenese) (Schult les -- NoR set)

5. V 54 common on Tordyscom circonals (Sert 25.V1.53 (a Veliath value matthetim (Getting 1 th) 1 th 22.V.5) on past (Sentmer le. — L'R let)

ford 28.1 5% in Cyclenes sp. in greenhouse (Genther 1. - ! A ort

ia (Gletago Go) 23.1V 36 on pensy (Grat are - Markon det); 1.Villas de tuberous Payanus (Gutten arg -- 108).

am 8 VII.-3 on Soverman rigida len -- AGE det): 5.7.12 or sex maker y (demin tay -- 100 det); vI. 15 a... "I i.as as power (Schuh log -- FAN det): 4.1.17 or seum var ophyllum (Schuh).

- Hood River Valley 3.V.34 on strawberry (Dimick leg -- ANT det).
- Alsea, 16 mi W 4.VI.41 on Ranunculus repens and Digitalis purpurea (Schuh & Ostlind leg -- EOE det).
- Waldport (Lincoln Co) 4.VI.41 on Sambucus racemose (Schuh & Ostlind leg -- EOE det).
- Yachats 4.VI.4 on Erechtites prenanthoides, Cerastium arvense, Chrysanthemum leucanthemum pinnatum (Schuh leg -- EOE det).
- McMinnville 16.IV.26 on rhubarb (Crumb leg -- ANT det).
- Portland 10.V.41 on holly (Ostlind leg -- EOE det).
- Salem 26.IV.41 on tulip (Schuh leg -- EOE det).
- Trail (Jackson Co) 7.VI.41 on Arctostaphylos viscida (? casual) (Schuh -- EOE).
- Scapoose 27.V.48 on Primula sp. (? leg and det ?).

Amphicercidus pulverulens (Gillette)

Corvallis 22.V.13 on Symphoricarpos sp. (Moznette leg -- Wilson det -- 1 slide in OSU).

Amphorophora agathonica Hottes (formerly misidentified as A. rubi Kaltenbach)

- Corvallis 15.V.41 on Rubus parviflorus (Schuh leg -- EOE det).
- Philomath, 12 mi W of, 4.VI.41 on R. macropetalus (Schuh & Ostlind leg -- EOE det).
- Alsea, 9 mi W of, 4.VI.41 on R. parviflorus (Schuh & Ostlind leg -- EOE det).
- Portland 9.V.41 on R. procerus (thyrsanthus) (Schuh leg -- EOE det); 24.IX.47 on Cuthbert raspberry (Schuh leg -- AGR det).
- Gresham 27.VII.43 on Rubus sp.cult red raspberry (Schuh leg -P.W. Mason det 4.II.44).
- Talent 4.V.51 on wild blackberry (Gentner leg -- EOE det).
- McMinnville 16.IV.26 on blackberry (Wilbur leg -- ANT det).

tien for golden finalescent filmlick tog

16 of W 5.91.41 on Fanch wilds reports and Dr. Delia output [Selach & Ostlind Leg -- ECE det).

(bincola co) 5.VI.41 on Thebucus racero. heb &

. A VI.1 on exegns es pronochoud s. coz ITV

will 16. IV. 26 . rhubari (trum lex Mi der)

and 10 7.31 on holi (Ostinod by . EOr det).

\$5.17.61 on on up (So not beg that det).

(Jerican Co) 7.71.41 ao Arctostal uol (Schul -- ECC).

Fat too get - - Tunning to Book 18. 65

s 72.V.14 in Suppresidantes vp. (Mossell) installe 3 0 W)

(Pormerly wirldentities as as the Knittenbern

s 15.V.61 on those pares from 19g . Eq. 6

12 mt W of, & VI.Wi on R. macrosocks... (Schull &

, 9 ms W of . L.VI M on A. parvarlocus (Schuth & Out

erson 9.7.41 no m. prodotne (thursdathus, (lchul nos 21.1%.47 on Curthers resphere) (Schul leg - 461 ums)

27.711.6: on Rucos artcolt red trapperty facing 7. 7. B.W. Mawen 1st 6.11.60).

ignt 6.V.51 on wild Flackberry (Genthur leg - 79% det).

wille 19.19 25 on blackberry (Wilbur leg -- NT 1913.

Estacada (Clackamas Co) 15.VI.49 on black raspberry (Mowery leg -- Converse det).

Talent 4.V.51 on wild blackberry (Rubus sp.) (Gentner leg -- EOE det).

Amphorophora arnicae (Glendenning)

Gresham (Mult Co) 22.VII.45 on potato (Schuh leg -- EOE det).

Amphorophora bartholomewi Essig

Lemiti Creek (Clackamas Co) N of Olallie Lk 5.VIII.42 on Lonicera involucrata (Schuh leg -- EOE det).

Amphorophora grindeliae (Williams)

Marshfield, 4 mi S of (Coos Co) 5.VI.42 on *Grendelia stricta* (Schuh leg -- EOE det).

Amphorophora minima Mason

Klamath Falls 23.IX.47 on Prunus subcaudata (Crumb leg -- LMR det).

Amphorophora pawtincae Hottes

Hood River Meadows 13.VIII.43 no plant (CFS det).

Amphorophora rubi Kalt. -- see S. agathonica Hottes

Amphorophora rossi Hottes & Frison

Paulson's, Gresham 21.IV.42 on Geum macrophyllum (Schuh leg -- AGR det).

Amphorophora rubicola (Oestlund)

Alsea 18 mi W of, 4.VI.41 on Rubus parviflorus (Schuh leg -- EOE det);
Alsea 9 mi W of, on R. parviflorus (Schuh & Ostlind leg -- EOE det).

Amphorophora rubicumberlandi Knowlton & Allen

Missessa Del Maria (Maria Barok roupouroj (Maria Li

.51 on reld blackberr, rankers,) (Gest: Let rea

gi tourse : " - sauti - Giùddoto, Gra

it Co) 22.VII.65 or worder (Schuh wer - Eth -

menoroph w bez i m Et

e cok Hasckensa Goj v Olafila H Olacraco (Schub lea - Nam 161)

g secon is ornalitan una una

AT OFFICE AND I ARE IN THE STATE OF THE STAT

ACCOUNTED BY IN HEAD MARCH

19 23 1% A Process subcessed (County A 21) 201).

nanz paweincae Nuttus

off - donne : ver - le apa e noskidge

सिल्हाके एक्. - व १०७४का स्थाध्य र है। वर्ण

lo. Ceesham 21. N. J. c. Appa myor. Artira Behah iog -- G (9t)

and some that a replicated (Ocetimed)

of M of, 4.VL.4) on Kabal par (Clora) (S.tmh log - 20) det); . A mi J of, op R. parvarionna (Scanh a Selibal les -- EUE fet).

Ampar obesca rublequuers. Le es Macwiter en

tjosephine No) 14 VL-20 on wild blackberey NO A bubor (eg mo et). "In the Willepotte Vailer we find D. ruber meriand? Fluated Bubbs" (Converse in the pp NDL 24 V.II.72).

Amphorophora rubitoxica Knowlton

"In the Willamette Valley we find A. rubitoxica on cultivated Rubus." (Converse in litt to MDG 29.VIII.72).

Amphorophora sensoriata Mason

Baker (Baker Co) 7.VI.36 (? leg -- ANT det on Rubus sp. (raspberry)).

Milton-Freewater 4.VI.27 on raspberry in Knlt MS 387 p. 16 and also Zeller leg -- ANT det).

Amphorophora sonchi (Oestlund) see - Nasonovia lactucae(Linnaeus)

Amphorophora stanleyi (Wilson)

Brownsmeed (Clatsop Co) 25.IV.36 on elderberry (Gray leg -- ANT det).

Amphorophora subterrans Wilson

Corvallis 6.IV.12 on roots of *Dactylis glomerata* (Wilson 1915 p. 99-"very abundant 6-8 inches below surface of the ground in loose
soil; apterous alate and pupae forms found").

Amphorphora tigwatensa Hottes

Gresham 15.VI.45 on Himalaya blackberry (Schuh leg -- AGR det).

Amphorophora tolmiea Essig

Otis (Lincoln Co) 11.VI.38 on Tolmiea menziesii (EOE leg & det).

Amphorophora tuberculaceps Essig

Boyer 24.VI.28 and 19.VII.38 "Sweeping herbs" (JCD leg -- EOE det TYPES).

Amphorophora near urticae

Peavine Ridge, McMinnville 3.V.47 "sweepings" (Kenneth M Fender leg -- Knlt det).

Amphorophora unitariona dinamina

A waste to be led a returnment on coloboration of the color of the 29.0111.72).

Amphorophora measocata lasen

LO) .VI 3t / .ea - Ai det on rubis .p., (risnostr).

cevatet A.VI.27 . r oph : n 'ol NS 387 p. Lö en elec

lex - ANC lex)

Ambie esbeza seach ' stumul)

Ree we ono i 'scture'(Llandens)

Ang horuphita scand (Wilmen)

(Clatary Co 25.1V.35 on riderberry (Eta 1mg - AMB not

Ampheneshore sucrecula Milaca

5.17.12 or roots of Dacty? yl rends (Wilson 1915 s. 30-s. abundant 5-4 lacties law (Cf.uc. the ground in loss softering alate and pupe as found")

imphos shors transationed thetes

.VI.45 on Bimmley blackberry but teg -- AGR cot).

A. am mjasca in a Easig clardoj [1 V1.36 un malkaca ... (8)% lma i amelo

Anglin ophera tuberous cars isosa

.VI.28 and 19.Vii.38 "Sweeping borbs" N D leg - 10% ... TYPEE).

Amuhosophines nest trad

ce, McMinnville 3.V.W "erreplach" (Kunneth T Max'er lag --

Anoecia corni (Fabricius)

Philomath 4.XI.36 on Cornus occidentalis (Schuh leg -- ANT).

Peavine Ridge, McMinnville 15.X.46 "sweepings" (Fender leg -- Knlt).

Anoecia querci (Fitch)
White-banded Dogwood Aphid

Salem 13.IX.56 on oak (A Burr Black leg -- EOE det -- drifts).

Corvallis 23.VII.38 on plantain "drifts" (Hsiao leg -- Boudreaux det).

Aphis spp.

Gresham 19.VI.42 on *Gilia capitata* (Schuh leg -- AGR det); 21.VI.42 on *Osmorhiza nuda divaricata* (not in SPN) (Schuh leg -- AGR det).

Klamath Falls 13.IX.50 on Chenopodium fremontii (Crumb).

Portland 6.VI.40 on Papaver sp. (Schuh leg -- AGR det).

Ten Mile 26.VI.42 on Mimulus guttata (Schuh leg -- AGR det).

Corvallis 17.I.52 on Lonas inodora (Amen leg -- AGR det); 29.VI.42 on cult Helenium sp. (Schuh leg -- AGR det).

Basket Mt 1.VI.47 on Helleborus sp. (Scott leg -- AGR det).

Corbett 1.VII.47 on Hydrophyllum tenuipes (not in SPN) (Schuh leg --AGR det).

OSU Campus 9.IV.36 on Rhamnus purshiana (cascara) (Wilson leg -- ANT det).

Aphis armoraciae (Cowen)
Western Aster Root Aphid
(Formerly in Aphis; A. middletoni Thos. is a synonym)

E of Enterprise 8.VII.53 on ? (Knlt rept -- J E Davis leg -- Palmer det).

Tombstone Prairie (Linn Co) 13.VIII.39 on Brassica campestris (Crumb leg -- EOE det 1 slide in OSU Coll).

Aphis artemisicola Williams

Salisbury (Baker) 26.VII.14 on Artemisia tridentata in company with Aphis tridentatae Wilson (Wilson 1914 p.95).

mesed in teach (Newser)

v. 3.X\$.75 an Commiss soutdentains (Schol) 10g - NATT

Andrew word (Fitch)

19 ULAS en 111a esetteta 19thà as -- Milla n nortas ruda a contact (not in a Na) (Jenu de en tigan

.. 18, 11, 41 on Migulus warrate (Erkuh was 163 del).

'14s 17.5.52 or see sees (Asen -s -r Aud dets: '7.81 s 3s

Mc 1.V1.A; on Helieborus ap. (Scott. 33 ACR

re 1. William on Mydrophy - sentra (rug in 27 (Sr) 1m.

ms y (V. 26 ou Rhinnus begins, sus interests) has a little and the sustainable of the sus

Prozefe Lie 100 prove -- spe det 1 sid 300

Antle actom signia Villina

Aphis ceanothi Clarke

- Bandon 7 mi S of (Coos) 5.VI.41 on Ceanothus thyrsiflorus (Schuh leg -- EOE det).
- Grants Pass 4 mi S of, 7.VI.41 on C. integerrimus (Schuh leg -- EOE det).
- O'Brien (Josephine Co) 4.VI.59 on Ceanothus sp. (Larson leg -- Knlt det).
- Gresham 19.VI.42 on C. sanguineus (Schuh leg -- AGR det).
- Parkdale (Hood River Co) 13. VIII. 43 on C. velutina (Schuh leg -- AGR det).
- Klamath Falls 19.VII.46 on C. velutina (Schuh leg -- AGR det).
- Jacksonville 4.VI.51 on Ceanothus sp. (Gentner leg -- EOE det).

Aphis cerasifoliae Fitch Chokecherry Aphid

- Grants Pass 8.VII.41 in curled leaves and 7.VI.42 on Prunus demissa (Schuh leg -- EOE det).
 - Deschutes River near Culver (Jefferson Co) 28.V.41 in curled leaves of P. demissa (Schuh leg -- EOE det).
 - Talent 7.VI.41 on P. demissa (Schuh leg and 1.V.53 Gentner leg -EOE det).
 - Corvallis 18.VIII.25. on cherry (Wilbur leg -- ANT det); VIII.25 and 26.VI.38 on cherry (Hsiae leg -- Boudreaux det).
 - Algoma (Klamath Co) 26.VI.50 on P. demissa (Crumb leg -- EOE det).
 - Culver 28.V.41 on P. demissa (Schuh leg -- EOE det).
 - Santiam Pass 24.VII.52 on Prunus sp. (Dickson leg & det).

 - Phoenix (Jackson Co) 10.VI.53 on wild cherry (J E Davis leg -- Palmer & AGR det).
 - Klamath Falls 21.VI.46 on P. demissa (Schuh leg -- AGR det).

refer a remoter Discha

- 17 of E of Lugue) 5 VI.61 on Cornoches thorelflooms them any --
- Para A et a et, 1.77 .. on .. ittingerrieus (Schult van cust tat
- en (Josephina Co) 4.71 59 m reanoths. sp. (Lt. lt m
 - 19. VI, A2 on C saveries .. (Schuh les -- 977 act)
 - (Most Edver Co) 3.Vill. i) on C. verdting (Schub Leg Nol

Abhis mezzen az Elten Chakecherr Abhid

Choos 8.VII.'l in curled tlaves and 7.VI.42 on mennus demises thub leg. -- or det).

liver mear miver (leffermen 20) 25 V.Al El curled lange of damins a (Schuh reg - EOA der).

7.VI.Al co P. devissa (Solub bog and 1.7.57 Sencour ten or deal.

(8 VIII.25 m. coern Visco leg ANT dec); vIII.25 and

Aulament Co)'26.71.50 m r. causea (Crush teg - 10E det).

AR, V. al See P. donners (Schuh les - 100 leul.

Page 26. VII. 52 on Frant who. (Dickson set 5 det).

ath Co), I on SW wil.52 on P. enargeneta Laste and viving les -- cast det).

described to the state of the s

Walle 21, VI, in on P. deminsa (Schul) lec - ACK OCE).

Aphis chrysothamni Wilson

Salisbury (Baker Co) during July 1912 and 1914 on Chrysothamnus
 lanceolatus, very abundant on side hills along canyons (Wilson coll & det 1915 p. 101).

Aphis corniella Hille Ris Lambers

Scapoose (Columbia Co) 2.IX.49 on Cornus occidentalis (Crumb leg -- AGR det).

Aphis cornifoliae Fitch Dogwood Aphid

Suttle Lake (Jefferson Co) 29.V.41 on Cornus stolonifera (Schuh leg -- EOE det).

Corvallis 20.IV.41 on ?Cornus (Schuh leg -- EOE det).

Aphis coweni Palmer

Tombstone Prairie 11.VII.72 on V. viride (Steyskal leg -- AGR det).

Mt. Ashland (Jackson Co) 20.VIII.50 in fleshy galls of manzanita and 14.VIII.53 on *Veratrum sp.* (Gentner let -- EOE det).

Aphis craccivora Koch Cowpea Aphid

Portland 16.V.40 on Laburnum watereri; 31.VII.41 on L. vulgare;
 (Schuh leg -- EOE det) and 20.VI.30 on Malva sp. (Knlt in MS 397 p.9).

Klamath Falls 26.VI.46 on Caragana sp. and 25.VI.46 on Melilotus alba
 (Schuh leg -- EOE det); 27.VI.46 on potatoes and Urtica holoserica
 (Schuh leg -- AGR det).

Westlake (CLatsop Co) 22.VI.69 on Scotch Broom (Gray & Dickson).

Pendleton (Umatilla Co) 21.VII.69 on black locust (Gray & Dickson).

Coquille (Coos Co) 18.X.43 on string bean (Special Port Survey)
 (Mason det).

PERSONAL CONTROLL ON COLORS

Tisker over fully 1912 and tria a chargeotherms apparently, very thought or and bill fong cover or more than the color of the color of

Apple of the Hille of a story

es (Columbia Co) IX.Au en er e con calis en dete

i night to

loke (July 18 on one st us and

HIVE: Mandons

ion Al -- _ fadewords error v io SC. HV. Al obsterd and

shlend (Jackson 25, 20.VIII.51 . (lesh) saits of monumber and

- Karra marka 1275 birin sovol

-4 16 y.ou on Dalerous wederess: 31.7 L.41 ms res (School les -- 50k del) am 20.V1.30 on Mater se : 60g to 35 ms

Talls 26 Vi.66 on Ostarary ap. and 25.Vl.46 in Volllows man. (Sabuth leg -- 206 det): 21.Vl.46 on notations and victica delignasion (Sabuth leg -- 206 det)

(Charley Co) 22.VI.or on Scotte Brown () &) then

(Unusable Co) 21.VII.69 on black low (Grav & Blekeum).

(Coos Co) 18 X.43 on atiling bean (Special Part Survey) or det) Fruitland (Marion Co) 10.VII.57 on wheat (Larson leg -- Knlt det).

Milton-Freewater 29.IX.70 on asparagus (Goeden leg -- Knlt det).

Corvallis 16. IV. 26 on Laburnum sp. (ANT det).

Loc? 18.III.41 on crimson clover (Richman leg -- ANT det).

Crater Lake 28.III.41 on crimson clover (as above).

Madras 3.XI.38 on wheat, alfalfa (Sawyer leg -- P R det).

Forest Grove 16.IV.26 on Laburnum sp. (Wilbur leg -- ANT det).

Talent 29.IX.55 on Prunus mahaleb (Gentner leg -- EOE det).

Aphis cystorum Hartig

McGill's Portland 30.VII.47 on Laburnum sp. (Schuh leg -- AGR det).

Aphis erigoni Cowen see Braggia erigoni (Cowen)

Aphis fabae Scopoli Bean Aphid

- Klamath Falls 20.IX.68., 9.XI.69 on snowball (Gray leg -- HRL, Dickson
 det); 23.IX.47 on wild rose (Crumb leg -- LMR det); 13.IX.50 on
 Chenopodium fremonti(Crumb leg -- EOE det).
- Gresham 15.VI.42 on Urtica 1yalli (Schuh leg -- AGR det); 6.VIII.47
 on potato (Crumb leg -- LMR det); 30.VIII.45 and 7.IX.45 on
 Chenopodium sp. and potato (Schuh leg -- EOE det).
- Troutdale 16.VI.68 on boxwood and 27.VII.68 on squash and lambsquarters (Gray leg -- Dickson det).
- Culver (Jefferson Co) 13.VIII.47 on potato (Crumb leg -- LMR det).
- Redmond 3.IX.47 on Chenopodium album (Crumb leg -- LMR det).
- Portland 6.IX.69 on Calendula sp. (Gray leg -- HRL det); 11.VIII.16 on Yucca sp. (Edwards leg -- ANT det); 3.VII.16 Swiss chard (Gray leg -- ANT det); 6.VI.40 on Papaver somniferum (Schuh leg -- EOE det); 15.VIII.40 on Acer saccharinum (9 sp), (Schuh leg -- EOE det).

- Corvallis 24.IV.38 on tulip (Edwards leg -- ANT det); 3.VII.25 on squash (Wilbur leg -- ANT det); 28.VII.35 on squash (Ferguson leg -- ANT det); 3.V.35 on Centaurea cyanus (Gray leg -- ANT det); 3.VII.50 on squash (Amen leg -- Crumb det); 25.VI.50 on tomato (Amen leg -- EOE det); 7, 24.VI.18 on beans (ABB leg -- ANT det); 7.VI.18 on swiss chard (ABB leg -- ANT det); 9.VI.41 on sugarbeet (Schuh leg -- EOE det); 23.IV.41 on cult fig, peony (Schuh leg -- EOE det); 13.IX.42 on carrot (Schuh leg -- AGR det); 18.VI.46 on pigweed (Crumb leg -- AGR det); 1V.42,44 on Viburnum opulus sterile (Schuh leg -- AGR det); 2.VIII.49 on potato (Crumb leg -- EOE det); 21.IX.49 on California poppy (E A Dickason leg -- det ?); 14.VI.50 on Philadelphus sp. (C R Amen leg -- EOE det); 18.VIII.25 on burdock (Wilbur leg -- ANT det).
- Madras 16.V.47 no plant given (Schuh leg -- AGR det).
- Suttle Lake (Jefferson Co) 7.VIII.35 on Epilobium angustifolium (H A Scullen leg -- ANT det).
- Scappoose 13.VIII.36 on Chenopodium album and Sonchus oleraceus and Epilobium angustifolium (Schuh & Gray leg -- ANT det).
- Brooks (Marion Co) 9.VII.41 on C. album (Ferguson leg -- EOE det).
- Salem 26.IV.41 on tulip (Schuh leg -- EOE det); 30.VIII.25 on pepper
 (no coll -- ANT det).
- McMinnville 16.IV.26 on horsebean (Wilbur leg -- ANT det).
- Powell Butte (Crook Co) 22.IX.34 on C. album (Gray leg -- ANT det).
- Medford 22.IV.49 on Viburnum opulus (Gentner leg -- EOE det); 4.VI.39
 on sugarbeets (G L Stoner leg -- ANT det).
- Brooks 18. IX. 52 on Euonymus (Gentner leg -- EOE det).
- Deschutes R. near Redmond 29.V.41 on *Urtica holosericea gracilis* (Schuh leg -- EOE det).
- Port Orford 9.VIII.41 on Sonchus oleraceus (Schuh leg -- EOE det).
- Caves Junction (Josephine Co) 6.VI.41 on Senecio fastigata (Schuh leg -EOE det).
- Port Orford (Coos Co) 9.VIII.41 on Baccharis pillularis (Schuh leg -- EOE det).
- Marshfield 5.VI.41 on Baccharis pillularis (Schuh leg -- EOE det).
- Breitenbush Lk. (Marion Co) 5.VIII.41 on Valeriana sitchensis (Schuh leg -- EOE det).

21/6 23/T7.37 en tul.u (Edwards 192 - ANT 18

Ollbur Jeg - ANT let): 28.VIT.35 dm squ

dut): 37.37 on ventsarea and (Geog le

equash limen lag Cham's det: 2 .VI.: en

Old det: 2 .VI.: 8 on neora full leg VI

old det: 3 .VII. 9 .VIV. 1 .VII. 1 .VII. 1

A det): 1V.61 en m Vilurada on de ora en en

A det): 1V.61 en m Vilurada on de ora en en

dalitomis soupy if a birkason in ... - ens

dalitomis soupy if a birkason in ...

hisdonna soupy if a birkason in ...

hisdonna souf a sa lee - cur

Lake (Jefferson Do) 7.7511.35 og om O A Scullen - AM

Marco Et . . . 2 21 7 D al marco

25. U. 41 es tulit (senon 12 local (no cell -- act ou

Le restduction no di VI. di effit

Butte (Ggno) Go: 22.1%.3' : oun . cur

d 22.TV 65 on vacuum. Septem ten 201 Acts

23 Rull - Ka. 19(1000) (amb 12 no \$6 E)

es PR rest Bolhwood 19.7.41 oc a Morera (Scholn leg -- Eust Hel)

dimical sub-erous wenness in the filly a boomed t

Junction (Pracyline Co) 6.77.41 on Jeresia raid

Orlord (Gros Go) 9. VIII Al on Sacresia as unaza

reh Leld 5. VI. 41 on Paccherns pullulars. ISchuh seg

thush Lie. (Marlon Ce) 3.711 L.41 was facertoma 302 der). Marion 7.X.36 on Snowball bush (Edwards leg -- ANT det).

Rainier (Columbia) 25.VIII.36 on squash (Ferguson leg -- ANT det).

Goble 25.IX.36 on Chenopodium sp. (Gray leg -- ANT det).

Talent 6.VI.46 on young pear shoots (Gentner leg -- Mason det).

Medford 9.V.57 on Euonymus yedoensis (Gentner leg -- EOE det); 7.VII.53 abundant on safflower (Gentner leg -- EOE det).

Aphis farinosa Gmelin Green & Pink Willow Aphid

(Synonyms: A. saliceti Kalt. & A. salicicola Essig)

Monroe (Benton Co) 26.VI.36 on willow (Larson leg -- ANT det).

Gresham 13.VII.45 on ? (Schuh leg -- AGR det).

Hood River 4. VIII. 41 on willow (Schuh leg -- EOE det).

Aphis filifoliae Gillette & Palmer

Burns, 98 mi. E 20.VIII.43 on Artemisia tridentata (J E Davis leg -Knlt det).

Aphis forbesi Weed Strawberry Aphid

Corvallis 24.VIII.36 on strawberry (Weaver leg -- ANT det); 5.II.26 on strawberry in greenhouse (Edwards leg -- G & K det).

Dixie (Union Co) 9.VII.42 on burdock ? stray (Maddox leg -- Knlt det).

Lebanon 28.X.26 on strawberry (Wilbur leg -- ANT det).

Kelso (Multnomah Co) 11.VI.47 on strawberry (Schuh leg -- HGR det).

Aphis frigidae Oestlund

"Throughout eastern part of Oregon in company with Mac. frigidae Oestlund on Artemisia tridentata" (Wilson 1915 p.95).

Aphis gossypii Glover Cotton or Mellon Aphid And alternist deed thebreak so of I. I.

god names foll necessary no de FIFE ? (abdomesti) v

Ent renduced amount many gover no sa. IT. de

9.V.5) on Electronic percents. Comment les bell bellement on maifflower (Gentrort teg Pure

wo is a second

(Suno vasa: . Saire - 7411 - a sair

(Benten Co) . Vi. 30 c

13 VII. 45 on 1 (Schuth . - 26-2

ITV.A ve

Achie de . on man billion

5 93 til. 2 26 1711 13 to 105th 1 Jane 14 8 5 des).

TO DA. VIII. 15 on all mo. my swarmer log . and hell: cauberry in growthouses (a mostle

prid in Se. 11V. 2 foo colour

19th CMA -- II railisti) (1821) or and or as as as

mire) interlegate to really (of damen (M)

Youldeen when you sided

ordered or regard to first more sunder west (W) "stranged to design the first of the stranged of the stranged

gebie morenessi Clemes

- Coquille 13.X.43 on cucumber (Survey in Vicinity of Ports of Entry (Mason det).
- Locality ? 2.VIII.49 on lilies (Rept by John S. Wieman -- LMR det).
- Portland 24.VIII.44 on cantaloupes, squash (Knlt in MS 387 p.7).
- Gresham 7.VIII.47 on potato (Crumb leg -- AGR det); 1.IX.49 on cucumber (Crumb leg -- EOE det).
- Corvallis 16.IX.49 on Zinnia sp.(Amen leg -- EOE det); 8.XI.49 on
 cucumber (Crumb leg -- EOE det); 15.XII.50 on squash (Crumb leg EOE det).
- Hermiston 3.X.51 on squash (Crowell.
- Medford 15.VII.49 on Amaranthus retroflexus (? coll, det ?).
- Peavine Ridge, McMinnville 11.VII.46 on Rumex (Fender -- Knlt).
- Talent 22.IX.52 on Rumex sp. (Gentner leg -- EOR det).

Aphis grossulariae Kaltenbach Gooseberry Aphid

- "During spring of 1911 first found in vicinity of Corvallis feeding on petioles of leaves of terminal shoots of gooseberry. In June and July alatae appeared and left gooseberry not to return till October 11." (Reported by H.F. Wilson in Oregon Bienn. Crop Pest Rept 1011-1912(1913) p. 95 plate V figs 33 and 34).
- "Often abundant on tender shoots of gooseberry in Oregon." (Essig in Insects of Western North America p. 242,1926).

Aphis hederae Kaltenbach Ivy Aphid

- Corvallis 22.IV.36 on *Hedera helix* (Edwards leg -- EOE & ANT det); 2.IV.41 on *H. helix* (Schuh leg -- EOE det).
- Portland 13.IV.41 on H. helix (Schuh leg -- EOE det).
- Salem 16.X.70 on H. helix as follows: "nymphs and adults spotty, mostly
 adults found on young shoots of English Ivy at Salem during
 October 1970." Collected by R.W. Westcott. Determined by L.M.
 Russell. "This is a new State record." (Westcott) (CEIR 21(16);58,
 1971).

estos i estadoli ar remari estama en 63.5.1.

Top Its server onfor we complete the Fr. 1819. S. S.

24. VIII. 64 on con-

7. VILL 67 on catata triting en . 603 1 U 2 in in manage

ts los IX.68 or Wirmin to tones les ---. 3.27.
best (Creind was 10 for 12 %19.77 gaus -det).

Aping of 1911 first sound in whether 2 is a feeting on and and sound of the sound o

Shouldars on beauty hoots of some end in Orevon." (begin an access of Descend North America o. 42, 12)

Aph a ba cold FB lebba \ Aphil

1 22. EV. 36 on Hedders bours Carrards log -- row a 1 her on below (Sebul leg -- row dee).

(2). If I get midd siled .H no le VI.fi bos

#6.8.10 on #. below as Poblewer: "abouts and nobelow sects, aparty
adult found on yours abouts of English avy at subset untime
about 1970." Cattlewed by now Percept Determined by L.M.
"English to a new Search cecond." (Mesteott) (CSIS 1120198).

130

"Ivy Aphid (Aphis hederae) was collected from English ivy at Salem, Oregon for a new State record." (Summary of Insect Conditions in the United States - 1971 in CEIR 22 (12) 159, March 29., 1972).

Medford 1.III.54 on Hedera helix (Gentner leg -- EOE det).

Aphis helianthi Monell

- Breitenbush Lake (Marion Co) 5.VIII.41 on Ligustrum grayi (Schuh leg -- EOE det).
- Hood River Meadows 4.VIII.41 on Xerophyllum tenax and Ligustrum grayi (Schuh leg -- EOE det).
- Olallie Lake, 1 mi N of (Jeff Co) 5.VIII.41 on Heracleum lanatum (Casual) (Schuh leg -- EOE det).
- Troutdale 30.VII.40 on Gladiolus (Schuh leg -- EOE det); 13.VII.68 on pigweed (Gray leg -- Dickson det).
- Milton-Freewater 4.V.42 on hollyhock (D R Maddock in Knlt MS 387,p.71).
- Medford 22.IV.49 on Cornus sp. (Gentner leg -- EOE det).
- Ontario -- no date on Helianthus sp. (no coll -- AGR det).
- Terrebonne (Deschutes Co) 24.V.42, no plant given (Schuh leg -- AGR det).
- Hermiston 4.VII.49 on Helianthus sp. (Crowell leg -- LMR det).

Aphis heraclella Davis

- Port Orford, 1 mi S of, 9.VIII.41 on Angelica hendersoni and 8, 9.VIII.41 on Heracleum lanatum (Schuh leg -- EOE det).
- Humbug Mt. State Park (Curry Co) 9.VIII.41 on H. lanatum (Schuh leg --EOE det).
- Deschutes R. near Culver (Jefferson Co) 28.V.41 on Leptotaenia multifida (Schuh leg -- EOE det).
- Ochoco Ranger Station 29.V.41 on Lomatium triternatum (Schuh leg -- EOE det).
- Corvallis 3.VII.50 on Heracleum lanatum (Amen leg -- EOE det).
- Culver 28.V.41 on Leptotaenia multifida (Schuh leg -- EOE det).
- Troutdale 29. VIII. 49 on celery (Crowell leg -- EOE det).

```
7) Aphid (Nobia bedaraw) was collected room Madlah we room for a second was it. ... a second state a second with the collection of second was it. ... a second second second was a second second with a second secon
```

1.711 54 on Meden Play (Genther 1cg - FOR det)

Apins elmanna Manes

adous A.VIII as on Kerepaga un censu not rounn a

mil Not (Jeft Go) S.VIII. St. u. atch. on least the S. Cachun Leg. EOF 320

30.V11.K) on Cladinius (School 2013 del): William of Milliam det

1 We ive on Usenus s, (Gantous en -- EOI of

an dake on to tenthe

On se (Deschotes Co) 'A-V A2 --- pinn pivon (Schol 19g ---)dit megs.

No at 1 ml S pl. D.V. Lat on Anemai memman at 1, p.7722.33 Membedish (kestum (Sebr. cs. - EDE det)

4. Style Park (Curry 701 9.9111.61 in a langer : windo tag - det).

R mean Halver (offermon Ce) 15 v. on teptoto n a τ tillog \sim EOE deb).

a set Station 22.7.W. on towards "Leanstein (Edua ung --

lits 3.7% in or here were land to me the - 200 (ct):

e 28. V. 41 or Regentarura auterfreda fötenur 199 -- 201 2-1,

____VILLS on celeny (Crows I leg was DR det)

Aphis hermistonii Wilson

Hermiston 1912 on Artemisia tridentata (Wilson 1915:93).

Klamath Falls date? on A. tridentata (Wilson 1915:93)
"First taken at Hermiston, Oregon 1912; later taken at Klamath Falls and other points in eastern Oregon. Found on Artemisia tridentata." (Wilson 1915 P.93).

Aphis lithospermi Wilson

"A very common species on *Lithosperum pilosum* (this is *L. ruderale*) in the southeastern part of Oregon during June and July." (Wilson 1915 p. 100).

Aphis lugentis Williams

Crater Lake (Klamath Co) 22. VIII. 38 on ? (Hsiao leg -- ANT det).

Mary's Peak (Benton Co) 4.VII.34 on Senecio triangularis (Schuh leg -- Palmer and ANT det).

Detroit, 26 mi E of (Linn Co) 6.VIII.41 on S. triangularis (Schuh leg -- EOE det).

Aphis middletoni Thomas

Klamath Falls 25.VI.46 on Achillea millefolium (Schuh leg -- EOE det).

Aphis nasturtii Kaltenbach Buckthorn Aphid

Klamath Falls (Algoma) (Klamath Co) on potato (Schuh leg -- EOE det).

Aphis neilliae Oestlund

Philomath (Benton Co) on Physocarpus capitatus (Schuh leg -- EOE det).

Aphis neogillettei Palmer

Weston 22.V.47 on Cornus sp. (Schuh & R. Scott leg -- AGR det).

Aphis neomexicana (Cockerell)

Tidewater 31.V.44 on Ribes sp. (Schuh leg -- AGR det).

milly 1_9ussimica sin

1914 andthorning orderous (Wilson Direction

OBJ W INTE TOLL SORES

common apacies i li materi soutbeastern att. .n du lui 915 p. 100).

n · W bls .!

Lake (Nimmath Ce) 1.9811.33 cm · · · · · · · · · ·

Pesi (Benton Co) 7 n n 11 almos and AVT

40 to 70 to 60 to

LOR T BOOK

Felia 23. VI. 16 on a Mises on Pelia a 12 may

A: Nia mashburgi K. shak Buckdoom whii

(Tol 117 - 1120 - 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141 | 1141

Achte nerllis Oarriug

ometh (Benton Co) on Frysuch Jagaintes Withu

Aph a nongetherios salm

en 22.77.67 on Corney are (Belod) soult lag . 319 100).

April Teometicani (Cotterell)

in 11.V. 66 on Airs sp. (Armut low - ACH dar).

Aphis nerii Fonseolombe Oleaster and Milkweed Aphid

Medford 11.IX.56 on Asclepias mexicana and 15.X.60 on Araujia sericifera (Gentner leg & det).

Aphis nigratibialis Robinson

Gresham 18, 26.V.42 on Cornus occidentalis and C. pubescens (Schuh leg -- AGR det).

Aphis nyctalis Hottes & Frison

Crater Lake (Klamath Co) 25.VIII.38 on a composite plant (Hsiae leg -ANT det).

Aphis oenotherae Oestlund

Klamath Falls, 9 mi N on potato (Schuh leg -- EOE det).

Ten Mile (Douglas Co) 25.VI.42 on Epilobium franciscanum (Schuh leg -- AGR det).

Government Camp 18.VIII.43 on E. angustifolium (Schuh leg -- AGR det).

Hood River Meadow 13.VIII.43 on E. angustifolium (Schuh leg -- AGR det).

Milwaukee 21.VIII.47 on E. adenocaulum (Crumb leg -- AGR det).

Cascadia 3.VIII.49 on Hypericum perforatum (Crumb leg -- EOE det).

Aphis oestlundi Gillette

Gresham 23.V.42 on tips of Oenothera biennis (JHO & Schuh leg -- AGR det).

Aphis oregonensis Wilson

Klamath Falls 8.VII.14 on Artemisia tridentata (Wilson 1915 p.92-93).

"A peculiar condition of the plant was found in connection with each colony of this species. In every instance the stem of the plant had been broken and bent over. There were indications present that some insect had almost eaten away the stem at that point." (Wilson 1915 pp. 92-93).

1 slide in OSU collection (paratypes) Klamath Falls 8.VII.14.

Terrebonne 29.V.42 no plant (Schuh leg -- AGR det with query).

. .

TALIS 30 on Thelapias persons on 15. V.ED or Jealnet leg 5 det),

laya samman alddi

18, 25 V.A. on Curnus confidencells was detected.

: 25170

at Falls 9 FB N on actorn (3 h)

or Geng 18. VIII. \$1 on S. so mail (Selve); or \$61 dwal

ver Meadow 13.VIII.63 on ver Schul ...

that the part of the support the part of the state of the

idia 3.VIII.As no Hapopia in par or Crombia Co

ivelly. Past the indica

23.7.62 on tips of trepachers ment 180 : Sei at tes Att

nth Wells 3.71 .16 m Intermided tridents of Wile 1917 [22-93].

"A peculter conducted of the pumer on a condition with each colors of this ejection. (we over) instance the stance of the plant had been builten and real over. There were indications present that word follows rated away the same of the point." (Wilson 1975 pp. 92-94)

11d in Osm reliection (perstages) Clarath Fella S.VII.15.

195° ... J. J. 1966

Aphis pomi DeGeer Apple Aphid

- Monroe 9. VII. 34, 10. VII. 36, 6. VIII. 36 on apple (ANT det).
- Portland 30.V.40 on Spiraea reevesiana (Schuh leg -- EOE det); 16.VII.40 on Bechtel Crab (Schuh leg -- EOE det); 3.VIII.40 Cotoneaster microphyllum (Schuh leg -- EOE det); 5.VI.40 Cydonia japonica (Schuh leg -- EOE det); 16.VII.40 on Sorbus aucuparia; 9.V.41 on S. aucuparia (Schuh leg -- EOE det); 8.VI.68 on apple (Gray leg -- Dickson det); 5.VIII.43 on cult apple (Schuh leg -- AGR det).
- Parkdale (Hood River Co) 11.IX.57 (Ellertson leg) and Hood River 15.VII.57 (Jorgenson leg) on apple (Knlt in MS 171 p.4).
- Corbett 23.V.42 on apple (Schuh leg -- AGR det).,
- Gresham 31.VII.44 on Hopa apple and 8.VIII.43 on cult apple (Schuh
 leg -- AGR det); 17.VI.42 and 8.VIII.43 on pear (Schuh leg -- AGR
 det).
- Corvallis 15. IV. 14 on apple (Ewing leg -- ? det).
- Milton-Freewater 12.V.53 and 15.VI.55 on apple (Wilbur leg).
- Talent 3.VIII.54 very abundant on young pear leaves causing distortion (Gentner leg -- EOE det).
- Medford 5.X.58 on Pittosporum tobira (Gentner leg -- EOE det).

Aphis pulverulens Gillette

Corvallis 22.V.13 on Symphoricarpos racemosus stems and leaves (G F Moznette leg -- H F Wilson det).

Aphis reticulata Wilson

Klamath Falls 9.VII.14 on Artemisia tridentata and in company with Macrosiphum frigidae Oestlund (Wilson 1915 p. 92).

Aphis ribigillettei Knowlton & Allen

Deschutes R. near Redmond 29.V.41 on Ribes cereum and Ribes sp. wild gooseberry (Schuh leg -- EOE det).

9 WIL 34, 10. WIL 16. 6 WILL 36 A compa ANA

nt 30.7.60 on Aptraca crobbestand (bob., Int her);
Lift on Bealmel Crac (Schuh lug -- ant 1 to 1 viii.)

saaster doconhuluum (Schuh les -- 578); v Ag

dania japonica (Schub leg -- vz ...);

meure ia; 9.7.61 on S. aucuparia (Schud in -- 10);
Libb on apple (Gray leg -- 1 cusum not. 1.711143 nn

ple (Schul lug -- Aut det).

ish RAY - gos Modes (Schult seg - NAR dat

31.711 44 on Hapa shelt sed % VIII.43 on out oppid Someth -- AGR dec); 17.71 a ond 8.7111.43 on rear (Schuth ter -- way

is 15.1V ld on apple (Ewing reg -- ? deci

Treewater II V.53 and 15.VI.55 a apple Mil

3.VIII 56 very abundant o. voung coar travel use on itsition name leg -- EO det).

3.K.58 on Excussorum tobara (Genene: Len

subjection iller:

113g 12.V 13 on Symbol carpos recently bland m. Parvet 16 3 Manutle Le -- à l'Officia dett.

Aghia meticulana Micana

Palls D.VII.14 on Artendala sufferments and In went ath

malife i routyment testset (knostra akaha

B M. mear adound if.V Al on Mile a service and Bines ap .115 berry (School leg — 80E det).

Aphis rubifolii Thomas

Summit (Benton Co) 25.V.41 on Rubus leucodermis (Schuh leg -- EOE det).

Talent 19. IV. 61 on R. procera (1 alate) (Gentner leg -- LMR det).

Aphis rumicis Linnaeus Bean Aphid

Bandon, 24 mi S of 5.VI.41 on Rumex sp. (Schuh leg -- EOE det).

Hillsboro 25.V.36 on R. crispus (leg ? -- ANT det).

Coquille 5.VI.41 on R. obtusifolius (Schuh leg -- EOE det).

Portland 8.V.41 on R. crispus (Schuh leg -- EOE det).

Talent 22.IX.52 on Rumex sp. (Gentner leg -- EOE det).

McMinnville 16. IV. 26 on Rumex (D A Wilbur leg -- ANT det).

Aphis sambucifoliae Fitch Elder Aphid

- Milwaukie (Clackamas Co) 3.VIII.40 on Sambucus coerulea (Schuh leg -- EOE det).
- Portland 9.V.41 on S. callicarpa leg -- EOE det); 28.X.49 on S. coerulea (Hans Nicolaison leg -- Knlt det).

Gresham, 4 mi S of, 26. V. 42 on Sambucus sp. (Schuh leg -- AGR det).

Aphis sensoriata Gillette & Bragg

Crescent City, 29 miN of, 6.VI.41 on Amelanchier alnifolia (Schuh leg -- EOE det).

Aphis spiraecola Patch Spiraea Aphid

- Portland 22.V.40 on Spiraea vanhouttei and S. Anthony Waterer (Schuh leg -- EOE det); 9.VI.69 on thunbergii (Gray leg -- Dickson det); 30.IV.40 on S. Anthony Waterer (Schuh leg -- EOE det).
- Medford 19.VI.50 on Spiraea sp. (Gentner leg &.det); 21.VI.50 on Viburnum tinus (Gentner leg & det); 21.VI.50 on Laurestinus sp. (Gentner leg -- EOE det); 9.XI.59 on loquat (Gentner leg -- LMR det).

and or explication of the

(Ben jà Se) 23 J. 41 - 4050 - N1 Sear - CT KM - T

19. IV. 61 on P. stacon (i slake) teents . vs .

na ac mar

at es . 2 t at [A.1Vel au 3 As Em . C

enceo 25.V. 35 on w. creens (les

file 5.VI. el . R. obta 19 a 15

. R. (udo?) a a 14.V.S

22. Di. 32 on Museus :p. (Genther]

fill . 10 for Fuency . Will

Y IN INC.

in the second of the second of

ន . ១៛ឥ≪្≜

Applia Trans. And And

EDE de 23 V 60 co Sp. cook valuoca cos est last , proporti Eschel last EDE de 2); 9.VI 69 co thickers (Echab sog thickers son); 904 EV sign on G. Anthony Mateiger (Echab sog Mik des);

d ord 19.VI.50 on Apriese dy. (Company log s.der); 21.VI.50 on vinuments claus (Centrer let & der); 21.VI.50 on transportations
EDS deta: 9.XI.59 on logar (Centre, les -- 1.50 der

Aphis tetradymia Knowlton

Malin (Klamath Co) 16.IX.71 on Tetradymia canescens (Schuh leg -- AGR det).

Aphis tridentata Wilson

Oregon -- "Found in company with *Macrosiphum artemisiae* Boyer and *Chaitophorus tridentatus* Wilson during May and June." (Wilson 1915 p. 94).

? Aphis varians Patch Variable Currant Aphid

Cherryville (Clackamas Co) 18.V.36 on wild currant (Mrs. A L Candee leg -- ANT det with query).

? Aphis veratri Walker

Tombstone Prairie 12.VII.72 on *Veratrum viride* (Steyskal leg -- AGR det with query).

Aphis viburni ? Wilson

Portland 27.XI.14 on leaves and stems of beans (Gentner leg -- Wilson det).

Aphthargelia symphorocarpi (Thomas)

Bacher Mt. 1.VI.47 on honeysuckle (? wrong det) (Scott leg -- AGR det).

Near Corbett 23.V.42 on Symphoricarpos albus (Schuh leg -- AGR det).

Artemisaphis artemisicola (Williams)

Huntington 17.V.67 on Artemisia tridentata and A. Iudoviciana (Knlt in MS 387 p. 10).

Denio, 20 mi NE of (Harney Co) 15.VI.60 on A. tridentata (Larson -- CFS det).

Aulacorthus solani see Acyrthosiphon

Brachycaudus cardue (Linnaeus) Thistle Aphid

Troutdale 11.VI.68 on Canada thistle (Gray leg -- Dickson det).

- Const charters of alda

of fact 28 or seems were the local or 18 1 28 1 & for

now provide the company with the response of the second company condenses.

(Clack and Col 13.7.36 will expend the

Prointe 12.741. on Preserve Vietra 15:

neina S firsunta side.

\$ 27.11.14 t., naves and , t being (Gening en - Wilness in

Apprilar. - Ma symphorousy, (Ilmme

M. J. Fliff on oners of prong a (South) g - AGR

tion) and seated identical times (addition

Arbomicaeuts : Drentwick | RMS|

Table 2 (1997) on Arrew Lefts car lendal : 4. Linews, 23a (NY 135) p. 20).

20 mily of the one to the control of the control (wason CE)

Auloso, nur sylst: see Arus chos short

state captive cardus (Limite)

of the modern things (then bear of the or Act),

- Coos Co June 1967 on Cynara scolymus (Bob Every rept -- LMR det).
- Elkton 16.VI.71 on bull thistle (Steyskal leg -- AGR det).
- Keno 16.VI.50 on Prunus subcordata (Crumb leg -- AGR det).
- Forest Grove 15. IV. 26 on prune (Keen leg -- ANT det).
- Portland 22.VIII.44 on Carduus sp. (Knlt in MS 171 p. 4); 30.VI.39 on bull thistle (Knlt leg -- AGR det).
- Corvallis 3.V.36 on Senecio vulgaris (? leg) and 27.VI.37 on thistle (? leg -- ANT det); Colorado Lake 13.VI?14 on Carduus americana; 10.VII.14 on Cirsium lanceolatum (Wilson leg & det); 18.VI.37 on thistle (Vertrees leg -- ANT det); 3.V.36 on Centaurea cyanus (Gray leg -- ANT det); 2.XI.17 on cult prune (ABB leg -- ANT det); 29.VII.38 on Carduus sp. 9.VII.72 on Cirsium vulgare (Steyskall leg -- AGR det); 24.VII.50 on C. arvense Schuh leg -- AGR det).
- Scappoose 3.V.36 on Centaurea cyanus (Gray leg -- ANT det); 28.IX.36 on Cirsium lanceolatum (? leg -- ANT det).
- Oregon City 10.VI.43 on Cirsium arvense (Schuh leg -- AGR det).
- Talent 25.IX.52 on Prunus subcordata (Gentner leg -- EOE det).
- Roseburg 17.VI.16 on Cirsium lanceolatum (Lovett -- Wilson).
- Mary's Peak (Benton Co) 14.VIII.41 on Cirsium edule (S C Jones leg -EOE det).
- Hood River 7 m S of, 4.VIII.41 on Cirsium lanceolatum (Schuh leg -- EOE det).
- Port Orford 9.VIII.41 on Erechtites prenanthoides (Schuh leg -- EOE det).
- Grants Pass, 13 mi S of, (Josephine Co) 8.VIII.41 on *C. lanceolatum* Schuh leg -- EOE det).
- Alsea, 15 mi W of, 4.VI.41 on C. lanceolatum (Ostlind leg -- EOE det).
- Ochoco Dam, 5 mi E of, 29.V.41 on *C. lanceolatum* (J S & K G leg -- EOE det).
- Gresham 22.VII.45 on potato (Schuh leg -- EOE det).
- Summit Prairir (Klamath Co) 30.V.42 on ? (Schuh leg -- AGR det).
- Keno 16.VI.50 on Prunus subcordata (Crumb leg -- AGR det).
- Elkton 16.VI.71 on bull thistle (Steyskal leg -- AGR det).

Brachycaudus helichrysi (Kaltenbach) Leaf-curl Plum Aphid

- Portland, Nick's Flower Home (Multnomah Co) 26.VI.53 on Aster sp. 100% infested (Rept by John S Wieman -- Knlt det); 9.V.41 on Amsinkia intermedia (Schuh leg -- EOE det); 8.V.41 on Artemisia suksdorfii; 8.V.41 on Solidago sp.(Schuh leg -- EOE det); 26.VI.57 in spider web (Knlt in MS 164 p. 3); 21.V.44 on peach and plum (Schuh leg -- AGR det); 29.IV.41 on plum (P. Mowry leg -- AGR det).
- Klamath Falls 22.IX.46 on *Bidens cernua* (Schuh leg -- EOE & AGR det); 5.X.59 on peach (Crumb leg -- EOE det); 17.VI.50 on *Prunus subcordata* (Crumb leg -- AGR det); 31.V.50 on ornamental plum tree.
- Medford 14.VI.53 on Chrysanthemum sp. and on Helichrysam bracteatum (Gentner leg -- EOE det).
- Talent 12.V.55 on plum (Gentner leg & det).
- Corvallis 20.V.25 on Aster sp. (Wilbur leg -- ANT det); 29.V.40 on plum (Mowry leg -- ANT det); 23.IX.50 on Anthemis cotula (Crumb leg -- AGR det); 10.VI.42 on Italian prune (Schuh leg -- AGR det).
- Walport, 1 mi S, 4.VI.41 on Gnaphalium purpureum (Schuh leg -- EOE det); 26.VI.42 on Senecio sylvestris (Schuh leg -- AGR det).
- Olallie Lake 5.VIII.42 (Schuh leg -- EOE det).
- Yachats, 1 mi S, (Lincoln Co) on Senecio sylvatica, Erechtites prenanthoides, Chrysanthemum leucanthemum (Schuh leg -- EOE det).

Florence, 9 mi S, on Gnaphalium purpureum (Schuh leg -- EOE det).

Bandon, 24 mi S, 4.VI.41 on Anthemis cotula (Schuh leg -- EOE det).

Sisters, 7 mi W, 29.V.41 on Senecio integerrimus (Schuh leg -- EOE det).

Milton-Freewater 7.IV.38 on prune and plum (H F Klein leg -- EOE det).

Grants Pass 7.VI.41 14 mi S on Amsinkia sp. (Schuh leg -- EOE det).

Culver 8.VII.47 on potato (Crumb leg -- LMR det).

Milton-Freewater 30.IV.53 on Italian prune (L Wallace).

Eugene 25. IV. 37 on prune blossom (Jones leg -- ANT det).

Gresham 20.VI.42 on Senecio sylvestris (Schuh leg -- AGR det).

Ten Mile 26.VI.42 on Senecio vulgaris (Schuh leg -- AGR det).

11s 22. A.co on Adversar in 18. no. . . 801 no. 1821 a.59 on pends (crumh beg - 'OH det) 1 no tunes and us les -- Ads net 31.7 50 no mnamental thu ..ee.

salvasi on plon (Contae)

20.V ?5 on Assus so (White name of the name of the state of (Drust) is the -- ANT dec); 23.D on the state of the state of

t. 1 m. 5, 6.VI. or Pashal 1 or Pa. 1cg Std St. VI at a control or community and control or control

l mi S. (Limbo) ob senou (selou euvelina. e. hairaa productari ensantka e a leucantherma (selou cev eva acki.

s less 7, W.41 14, FM F on Amsingia sp

B. WII. 47 on potato (Crumb leg -- L'u cel).

mer mter 30 TV 53 wh Itelias ormor (L Maliaco).

:25. IV. 37 on prune biosson (Mones 102 - ANT des).

the real ton Sensors of the state of Schutz Long -- 478 dost.

Peavine Ridge near McMinnville 20.VIII.46 "sweepings" (Fender leg -- AGR det).

Hillsboro 9.III.43 on chrysanthemum in greenhouse (Schuh leg -- AGR det).

Brachycaudus maidiradicis (Forbes) Corn Root Aphid

Corvallis 23.VII.28 on plantain (Hsiao leg -- Boudreaux det).

Jefferson (Marion Co) 1. VIII. 47 on mint (J E Davis leg -- Knlt det).

Brachycaudus persicaecola (Fonscolombe)
Black Peach Aphid
(Formerly det as Aphis persicaeniger Smith)

Corvallis 17.IV.12 and 10.II.13 on peach (F D Bailey & Wilson leg -- tests ANT); 28.IV.41 on cherry (Mote leg -- AGR det).

Salem 8.V.64 on peach leaves (Larson leg -- ANT det).

Medford 18.V.16 on peach (? leg -- AGR det).

The Dalles Exp. Area 11.VI.51 on peach (F Ellertson leg -- AGR det).

Brachycolus atriplicis (Linnaeus)

Boat Gall Aphid
(Formerly in Hyalopterus and Hayhurstia)

Corvallis 22.VII.37 on pigweed (Schuh leg -- ANT det).

Gresham 22.VII.42 on Chenopodium album (Schuh leg -- EOE det); 8.VII.43 on Amaranthus retroflexus and Chenopodium album (Schuh leg -- AGR det).

Klamath Falls, 9 mi N, 28.V.48 on Chenopodium sp. (Schuh leg -- AGR det);
1.IX.46 on Chenopodium sp. (Schuh leg -- AGR det).

Redmond 11.VIII.47 on Chenopodium album and 3.IX.47 (Crumb leg -- AGR det).

Corvallis 18.VII.43 on Chenopodium album (Schuh leg -- AGR det).

Merrill 11.VIII.47 (strays -- 2 al) on Brassica campestris (Crumb -- LMR det).

Celilo (Wasco Co) 11. VIII. 43 on Chenopodium sp. (? leg & det).

Springdale (Multnomah Co) 7.IX.45 on Chenopodium sp. (Schuh leg -- AGR
det).

Braggia eriogoni (Cowen) (Formerly in Aphis)

Sisters 4.VII.71 on Eriogonum umbellatum (Steyskal leg -- AGR det).

Brevicoryne brassicae (Linnaeus) Cabbage Aphid

Astoria 7.X.43 on turnip (P W Mason det -- Survey in Vicinity of Ports of Entry 1943-1944).

Corvallis 2.X.33 and 2.IX.25 and 15.IV.26 on kale (Wilbur and Best leg -ANT det); VI, VII.46 on cabbage (Crumb leg -- AGR det); 9.VI.42 on
mustard (Schuh leg -- AGR det); 10.VI.42 on Chinese cabbage (Schuh
leg -- AGR det); 23.IX.50 on mustard (Crumb leg -- AGR det); 13.VI.14
on Brassica campestris (Gentner leg -- Wilson det); 22.VIII.14 on
cabbage (Gentner leg -- Wilson det).

Enterprise (? date) on broccoli (Best leg -- ANT det).

Tigard 10.X.35 on cabbage (Ferguson leg - ANT det).

Albany 18. VIII. 38 on cabbage (Mullen leg -- ANT det).

Klamath 19. VIII. 46 on wild turnip (Crumb leg -- AGR det).

S. Monmouth 30.VI.47 on mustard (Dickason leg -- AGR det).

Gresham 5.IX.51 on Brassica campestris (Amen leg -- AGR det); 8.VIII.47
 on broccoli (Schuh leg -- AGR det; 7.X.49 on B. campestris (Crumb
 leg -- AGR det).

Calaphis annulata (Koch) see Callipterinella calliptera (Hartig)

Callipterinella calliptera (Hartig)

Deschutes River near Redmond (Deschutes Co) 29.V.41 ? plant (Schuh leg -- EOE det queried).

Brevicoryne symphoricarpi (Thomas) Snowberry Aphid

Corvallis 8.VI.37 on snowberry (Vertrees leg -- ANT det).

nos ,e. et 8 ,g mustavopourdo en sa fill (as demonátida) esc (3)

read tour is a vente

V.K.&1 on turns a maint axis Survey is Victor to Raise of Raise 1965; 1966).

fee (f date) on brown11 (Est 10g NO 1.1)

10. X 3 on .sepasa (Esrguyet 2 - A cet

. (10) TW ges cealed) eyedden on et. 117,81 W

bi no dA. IIIV. et tan

J the tome on TALTU OF dance

ba 7.7%.51 no esersion compose, a tenen leg .

c. Srucco't (uchua tey -- 40% ' 7.3 19 no a. nase ' ' wan
leg -- Ad't dat).

rates a annetal (No.1) -- a realista diseil coligera (Mark ...

dolločeriavila dallupresa (Marria)

Toyor riesz Redecond (Desubuter C.) 29.V.31 " ul.nt tachen u

Berry common sumples weren (Thursday)

1 8. v). 37 or subwherry (%. reer leg -- AMR des)

Parkdale, 1 mi S, ? date on Symphoricarpos alba, Willamette Valley, general, ? date on Symphoricarpos sp. (Larson Report -- LMR det).

Capitophorus elaeagni (DelGuercio) Oleaster Thistle Aphid

Heceta Head (Lane Co) 4.VI.41 on Cirsium edule (Schuh leg -- EOE det).

Klamath Falls 17,19.VIII.46 on Polygonum persicaria (Schuh leg -- EOE det).

Capitophorus hippophoes (Walker) Polygonum Aphid

Klamath Falls 19.VIII.46 on Polygonum persicaria (Crumb & Schuh leg --EOE det).

Hermiston 2.V.14 on Eleagnus angustifolia (Wilson leg & det).

Capitophorus ribis (Linnaeus) Currant Aphid

Albany 17.VI.49 on currant (Ellertson leg -- Crumb det).

Capitophorus potentillae fragaefoliae (Cockerell)

Grants Pass 13.XI.33 on strawberry (Dimmick leg -- Knlt in Bull. Bklyn Ent Soc 49:48).

Capitophorus tetrarhodus (Walker)

Corvallis 29.VII.26 on sweet briar rose (Dr. S M Zeller leg -- Patch & ANT det).

Cavariella aegioidii (Scopoli)

Corvallis 9.VII.69 on dill (Gray leg -- Dickson det); 17.I.41 on parsnip (Crumb leg -- EOE det); 8.III.48 on radish (H H Crowell leg -- EOE det); 2.VI.48 on celery (Crumb leg -- EOE det); 2.VI.50 on carrot (Crumb leg -- EOE det); 27.VI.42 on coriander (Schuh leg -- AGR det).

vav sielle agu di og

persons of the defending on different to the term of the long persons of the contract of the c

- Albany 26.v.41 on Ligusticum apiifolium (Schuh leg -- EOE det).
- Lake Labish (Marion Co) 27.X.47 on celery (Crowell leg -- LMR det).
- Medford 10.VI.53 on wild parsnip (John E Davis Rept -- Knlt det);
 29.VI.52 on sweet fennel, Foeniculum vulgare (Genthner leg -- Knlt det).
- Gresham 5.VIII.43 on cult carrots (Schuh leg -- AGR det).

Cavariella archangelicae (Scopoli)

Lake Labish on celery -- 23, 29.IX.49 (Crumb let -- EOE det); 9.VIII.49 (Crumb leg -- EOE det).

Cavariella capreae (Fabricius)

- Humbug Mt. State Park 9.VIII.40 on Oenothera sarmentosa (Schuh leg -EOE det).
- Albany 26.V.41 on Ligusticum apiifolium (Schuh leg -- EOE det).

Cavariella essigi (Gillette)

Olallie Lake 5.VIII.41 on Heracleum lanatum (Schuh leg -- EOE det).

Alsea, 18 mi W, 4.VI.41 on H. lanatum (Schuh leg -- EOE det).

Corvallis 28.V.41 on H. lanatum (Schuh leg -- EOE det).

Multnomah Falls 20.VI.39 on H. lanatum (Knlt in MS 387 p. 11).

Scappoose 24.V.49 on Conium maculatum (Crumb leg -- EOE det).

Lake Labish 4.VIII.49 on celery (H H Crowell leg -- EOE det) (may be a n.sp.).

Cavariella pastinacea (Linnaeus)

Scappoose 24.V.49 on Conium maculatum (Crumb leg -- AGR det).

Corvallis 12.VI.42 on cult carrots (Schuh leg -- AGR det).

2) 11 - 22020 - 11 - 10279 201 1 1 - 10202 (Prince), yo. yo. 202 (202)

w 21. w. 41 on Glauchiers accompany 11

Compatible Command and Command

too and one. Heart and the man the last of the man and the last of the last of

ras 202 - on commo

Tall Point, 1 or V. Lacasson C. . 1.91 o one with (School Log -- 50s tot

nm im n lê.V.85 y

The Lord Strike is respected to the Strike is about all the Strike is

an our details to tail and falls of the

13 37 . 10 to 1 macanal . A co 01.11.03 . . . 185 A

70n - gi nomo aza asa a una ni vit.V.t. - nom

one is the time of the second of the second

Southields precinates (Unmerca)

Ceruraphis eriophori (Walker)

- Corvallis 26.IV.42 on Viburnum opulus sterile (Schuh leg -- AGR det).
- Gresham 27.IV.45 on Viburnum carlesi (Schuh leg -- AGR det).

Chaetosiphon (Pentatrichopus) fragaefolii (Cockerell) Strawberry Aphid

- During 1933 and 1934 Dimick collected from cult and/or wild strawberries
 at the following localities:
 Barlow, Bend, Boring, Brookings, Brownsville, Corvallis, Foster
 (incl ovips), Gold Beach, Grants Pass, Klamath Falls, (Schuh leg),
 Myrtle Creek, Pleasant Home, (incl ovips), Scholls, Stayton,
 Walport (incl ovips).
- Independence 26.VI.67 (Larson leg -- LMR det).
 On plants other than strawberry (wild and/or cult):
- Potentilla sp. -- Bend 21.IX.34 (Dimick leg) and 31.X.33 (? coll).
 Corvallis 10.III.34 in Greenhouse (Weaver leg -- ANT det).
 Waldport 31.X.33 (Dimick leg). Big Creek 31.X.33, 28.III.34
 (? leg -- ANT det).
- Potentilla anserina -- 5 mi S of Marshfield 9.VIII.41 (Schuh leg -EOE det).
- Rosa rubiginosa -- Corvallis 15.V.34 and 18.IX.34 (? leg -- ANT det).
- Fragaria chiloensis --Walport, 1 mi S, 4.VI.41 (Schuh leg -- EOE det).

 Big Creek 31.X.33 incl ovips (Dimick leg -- ANT det).
- Fragaria bracteata -- Sisters, 9 mi W of, 29.V.41 (Schuh leg -- EOE det).
- Horkelia fusca (Hood River Co) -- 8 mi S of Parkdale, 4.VIII.41 (Schuh leg -- EOE det).
- Rosa sp. wild, Clatskanie, 4. VIII. 36 (Schuh leg -- EOE det).

Chaetosiphon (Pentatrichopus) tetrarhodus (Walker)

Corvallis 29.VII.26 on sweet briar rose (S M Zeller leg -- Patch and ANT det).

Chaitophorus aceris (Linnaeus)

Corvallis 24.X.14 on alder leaves -- stray (Gentner -- Wilson, ANT det);

20 1933 and 1934 Dratel - leaces

at the following totalizes

Ballow, Bend, - no, - no, (fact owips), - no, - no,

adence 26.VI.67 ;warrown ton On plants other than thems

Thild Buscussa e S ns " as ED1 det),

a mibidinara - terv. 1

id ch los as all o: I big Greek il.K. 33

As I present a samulastd Bi

Webs wild, Charas as is, VI 1 38

oleetonsk hor (Pantatriphapus)

31s 29 VII 25 on sweet halor rus

This le, Yearn scars tarong es

14. Z.14 on alder leaves - strey (Sentour -- Wilson 33: 198);

14.X.15 on leaves of Acer circinatum (Lovett leg -- Wilson det); 24,27.X.11 on maple (Wilson leg & det).

Chaitophorus populifoliae (Oestlund)

Monmouth 11.IV.40 on Populus sp. (Schuh leg -- EOE det).

Chaitophorus populifolii Essig

Grants Pass 22.X.52 on Populus trichocarpa (Gentner leg -- EOE det).

Chaitophorus populifolii Essig subsp. neglectus Hottes & Frison Albany 1967 on cottonwood (Larson Rept -- HRL det).

Chaitophorus populellus Gillette & Palmer

· Phoenix 9.X.56 on leaves of weeping willow (Gentner let -- EOE det).

Chaitophorus salicicola Essig

Hood River 4. VIII. 41 on Salix sp. (Schuh leg -- EOE det).

Chaitophorus tridentatus Wilson

"Throughout Oregon on leaves, base of leaves and flower stems of Artemisia tridentata." (Wilson 1915 p. 89).

Chromaphis jublandicola (Kaltenbach) Walnut Aphid

Portland 16.VIII.33 on Eng Walnut (leg ? -- ANT det); 31.VII.40, 1.VIII.40 on Eng. Walnut (Schuh leg -- EOE det).

Newberg 15. VII. 36 on Eng. Walnut (Schuh leg -- EOE det).

Corvallis 11.VII.38 on Eng. Walnut(Hsiao leg -- ANT det); 11.VII.38 on
 walnut and 20.VIII.40; 9.X.46 on Eng. Walnut and 14.VII.66
 (W W Stimman -- TLB det).

Talent 18.IX.51 on English Walnut (Gentner leg -- EOE det).

Grants Pass 22.X.52 on *Populus trichocarpa* (Gentner leg -- EOE det); 9.X.46 on Eng. Walnut (Crumb leg & det); 11.VII.38 on Eng. Walnut (Hsiao leg -- Boudreaux det); 20.VIII.40 on walnut (P Mowry leg --ANT det).

Troutdale 15.VI.68 on walnut (Gray leg -- Dickson det).

A. Z. 13 or Active of least carre

m.:(24 ens 1 25)

in Pass 22 · 51 · on

in the first time the second of the first of the contract of t

AU F 78% DU sur v sa un no nomenu la la fill de la companya de la

1. d . ,

on Eng. Walant victors on Eng. 1 Pro to the contract of the co

18. Vil 36 on Pag. Alrert (Schub .. . 2. . . .

Trailie 11. (Til. 35 on Eng Molnutorroun two 's mil 11 V21 13 on salnut and 20 V11 60 (W W Stinger - 130 361).

is. II. il op inglish kinut (Gesteen eg – 185 des).

ant Para 12.E.52 on respector results theorem in TTZ det);
- Wish on Eng. Welnot (Crumb Eq. a Chil): 11 VTL:3% on Eng. Gellor
- Roudresum det); 20.Viri.su on walnot (P Horry List to
AWT det):

Forest Grove 22.X.19 on Juglans regia graft on J. nigra (A C Burrill leg -- TLB det).

Gresham 19.VI.42 on Eng. Walnut (Schuh leg -- TLB det).

Cinara americana Hottes & Essig

Butte Falls (Jackson Co) 7.VI.41 just below new growth of *Pinus ponderosa* (Schuh leg -- H & E det).

Cinara sp.

Sphagnum Bog, Cr Lake Park 31.VII.64 on Tsuga mertensiana (Schuh & Vertrees leg -- AGR det).

Cinara anzai Hottes & Frison

Crater Lake 2.IX.55 and 2.X.56 on Pinus albicaulis (Gentner leg -Hottes det).

Cinara brevispinosa (Gillette & Palmer) Short-haired Lodgepole Pine Aphid

Klamath Falls 19.VI.46 on Pinus contorta (Schuh leg & det).

Cinara chinookiana Hottes

Crater Lake 2.X.56 on Abies lasiocarpa (Gentner leg -- Hottes det).

Cinara curtihirsuta Hottes & Essig

Bly 8. VIII. 56 on Abies concolor (Schuh leg -- Hottes det).

Cinara curvipes (Patch) Bow-legged Fir Aphid

Salem 25. IV. 41 on Abies sp. (R E Rieder leg -- EOE det).

Portland 17. VIII.53 on Deodar Cedar (Knlt).

Eola Drive, West Salem 19.IX.70 on noble fir (Larson det).

Mt. Angel 6.V.35 on white fir (Crumb leg -- EOE det).

Forest Grove 16.IV/26 on Pinus ponderosa (Wilbur leg & det).

22. T M on Juplace rouse mass on d. a are that the

3. VI. A2 on Eng. Malnut (S hed on -- 118 het).

con of the categoria the

As (Juras a voi 1.V) | . . . va . . m a. si Nor leg -- V b E dato

which is given that the control of the control of

, <u>si</u>t 5.81

e m 21 17.1 (1s)

s o healed on

- iconi - m

The state of the s

Chasta cuttibules notes : said to de concentration of the section of the concentration of the

Dana a corrigos trata Retelacad Fir Alon

W. IV. A. . u Actes st. (S E Riete 1eg . But

an IS. VIII. 31 on Decider deday (boilt)

City north 18 18 alder so W. M. el males Jest . war

agel e - 35 e. chite fin (Crumb le: - ECH dec).

to 14/2% on Rinner goodersway (101 land loggis det)

- Seneca (Grant Co) 15.X.71 on Abies concolor (Schuh leg -- AGR det).
- Mt. Ashland (Jackson Co) 2.IX.54 and 27.IX.56 on Abies magnifica shastensis and A. grandis (Gentner leg -- Hottes det).
- Union Creek 30.IX.59 on A. magnifica shastensis and 2, 12, 15.X.56 on A. grandis (Gentner leg -- Hottes det).
- Prospect 12.X.56 on A. grandis (Gentner leg -- Hottes det).

Cinara dubia Hottes & Essig

Marshfield 4.VI.41 on Pseudotsuga taxifolia (Schuh leg -- H & E det).

Cinara engelmanniensis (Gillette & Palmer) Light Brown Spruce Aphid

Salem 16.X.64 on Colorado spruce (Larson leg -- ANT det). Collection consisted mostly of males and oviparae but included one specimen of each of the alate and apterous vivipara.

Cinara ferrisi (Swain)

Salem, Agr Dept Parking Lot 12.VI.67 on Pinus monticola, heavy on bark of trunk and limbs: excessive honeydew; reared the following predators on the tree -- Syrphus opinator, Metasyrphus lapponica and Mulsantina picta minor (R L Westcott reported -- LMR & AGR det).

Cinara fornacula Hottes

Portland, Beaver Creek Nursery 26.II.64 on Norway spruce (Larson leg -- ANT det).

Cinara gentneri Hottes

Union Creek (Jackson Co) 21.X.56 and 15.X.56 on Abies grandis (Gentner leg -- Hottes det).

Siskiyou 2.XI.59 on Abies concolor (Gentner leg -- Hottes det).

Cinara hirsuta Hottes & Essig

Kirby (Josephine Co) 6.VI.41 on Pinus monticola (Schuh leg -- H & E det).

ిని నెల్లాడు ప్రాథమ్మాడకి. ' 21 8 ఆ

isot assett on gas hormas) helmome establica de EE DK.S

ofesia buccor. her on a Kreft

(this late the et desil) wholeteem envis on patif, 3 (a) acto

Cinara inscripta Hottes & Frison

Timberline Lodge, Mt Hood (Hood River Co) 6.VIII.40 on Pinus albicaulis (R L Usinger leg -- H & E det).

? Cinara juniperensis (Gillette & Palmer)

Corvallis 8.IV.26 on cedar (Cedrus or Juniperus) (Wilbur leg -- ANT det with query).

? Cinara juniperia Mordvilko

Portland, Doty & Doerner Nursery on Juniper 3.III.53 (Rept by Larson via Knlt -- Palmer det with query).

Cinara juniperi (DeGeer)

Troutdale 16.VI.68 on Juniper (Gray leg -- Dickson det).

Portland 11.IV.69 on Juniper growing in greenhouse (Rept by Hans
 Nicolaison to Knlt det); 18.IV.40 on Juniperus sabina fastigata
 (Schuh leg -- ?det).

Medford 20.V.59 on dwarf Juniper (Gentner leg -- Hottes det).

Cinara knisa Hottes

Bly (Klamath Co) ? date on Abies concolor (? leg -- Hottes det).

Cinara laricifolia (Wilson)

"Collected on Larix occidentalis in Baker and Grant Counties, Oregon.

The apterous forms are rather easy to find but not exceedingly numerous while the alate forms are scarcer and harder to find.

They are for the most part found about the base of the needle clusters." (Wilson 1915 p. 102).

Cinara medispinosa (Gillette & Palmer) Medium-haired Lodgepole Pine Aphid

Prospect 8.VI.41 on Pinus contorta (Schuh leg -- EOE det).

Portland 15.IV.64 on Scotch pine (Larson leg -- ANT det who notes probably this species altho it does not agree well in all respects."); 1.IV.71 on Pinus sp. (Larson leg -- AGR det).

Constinuentes, Notices & ise

Fig. 1. 100 taking and , puop gut solidate.

sexasa 7q - e

with a figure form. Order

11. in the contract of the con

restrict asob p \$1.6

th the deliver is the property of

of 142 of 4000 for the first site of the first s

ి.గుడు ఆ ాధిగిలు చేసుకుంటాంది. గాగు మండలాలు చియ్యాలు ఏగ్రాములు గాగా మీస్తా

2 0. Ff 61 on Fines conforma in bulk leg of B

. . . Subject pins (Laren) iffi or agree of the first agree of the first spins spins

Cinara occidentalis (Davidson) Flocculent Fir Aphid

"Collected on Abies grandis near Corvallis, Oregon March 18, 1911.

Quite abundant in spring and fall on the terminal shoots where it causes the underside of the twigs to appear bluish or smoky."

(Wilson 1912 p. 193).

Corvallis 18.III.11 and 3.XI.11 (Wilson leg & det).

Siskiyou 15.X.59 and 2.IX.59 on Abies concolor (Gentner leg -- Hottes det).

Klamath Falls 19.VI.46 on Abies sp. (Schuh leg -- EOE det).

Newberg 12.VI.67 medium on Abies grandis (Larson leg -- LMR det).

West Salem, Eola Drive 23.XII.68 on Grand Fir (Larson leg -- KONO det).

Silverton 20. IV. 47 on Abies grandis (Schuh leg & det).

Bly 1916 on Abies concolor (Schuh leg -- AGR det).

Cinara oregona Hottes & Frison

Timberline Lodge, Mt Hood (Hood River Co) 6.VIII.40 on Pinus albicaulis (P L Usinger leg -- H & F det).

Cinara oregonensis (Wilson) Pine Cone Aphid

Fort Klamath on Pinus ponderosa (Schuh leg -- EOE det).

"Collected on *Pinus sp.* Fort Klamath, Oregon July 6, 1911. Found only on the cones. Alate and apterous forms. Probably this species extends its feeding to the shoots later in the season." (Wilson 1915, p. 103).

Cinara piceicola (Cholodkovsky) Dark Brown Spruce Aphid

Milwaukie, Laing's Nursery 4.VI.51 on spruce (Rept by Floyd Markham det Palmer via Knlt.

mentered andread effect prompt a

And Alberton and Antiching and Marketing and Marketing and Antiching and Anticipal and Antiching and Antiching and Antiching and Antiching and Antick an

20 e " Y. in 11.112 81

total on a contract

en to as its .fil of

TVLEN M. : Mars Dill. Off

M. bola Dilve 25.XI on ero: Ply termin

. Hulas) may to ac to local

sables commune (Sebuth) AGK emp.

on Planc condumns yourn let MOF

** Pages 2.2 Year Timeth a even ... a 15 Penn a comma " ha! and (pageway comma " ha! its. feeding to the shocks later on the saugern. p. 100).

> Canara piez. . . (uhojoštovany) Imple remog termos noma

Large Sursory of a serve though by Them he wo

Cinara pinea (Mordvilko)

- Canby 13. IV. 64 on Pinus sp. (Larson leg -- ANT det).
- Portland 14.II.64 on Pinus mugho (Larson leg -- ANT det as near C. pineti (Fab.).

Salem 8.14.64 on Pinus sp. (as above).

Cinara ponderosae (Williams) Golden Pine Aphid

Butte Falls (Jackson Co) 7.VI.41 on Pinus ponderosa (Schuh leg -- EOE det).

Grants Pass 7.VI.41 on P. ponderosa (Schuh leg -- EOE det).

Corvallis 24.V.41 on P. ponderosa (Schuh leg -- EOE det).

Klamath Falls 19.VI.46 on P. ponderosa (Schuh leg -- EOE det).

Bend 7.VIII.41 on P. ponderosa (Schuh leg -- EOE det).

Cinara pseudotaxifoliae Palmer

Galls Creek (Jackson Co) 17.V.56 on Pseudotsuga taxifolia (Gentner leg -Hottes det).

Crater Lake 24.VI.56 on P. taxifolia (Schuh leg -- Hottes det).

Klamath Falls 16.VI.56 on P. taxifolia (Schuh leg & det).

Cinara pseudotsugae (Wilson)

Corvallis 15.III, 4.VI, 27.X.11 and 30.III.10 on Pseudotsuga taxifolia
 (Wilson leg & det); 10.IV.16 (W.J. Chamberlain leg -- Wilson,
 ANT det) on P. taxofolia 1 slide in OSU Coll.

Gresham 19.VI.45 on P. taxifolia (Schuh leg -- AGR det).

"Collected on terminal shoots of *Pseudotsuga (douglasii) taxifolia* about Corvallis 13.IV.11." (Wilson 1912. p. 302).

Cinara rubicunda (Wilson)

Deschutes R. near Culver 28.V.41 on Juniperus occidentalis (Schuh leg -- EOE det).

re feetable ancer on the or . where to all

t the Sick that the Product of the second of

ison estallar and statistical elastical elasti

no to se mutually that the contract of the con

inas iii moressi saa maestõ

The fill 6.701, 27 or and the villy of Period from \sim 11 for the first transform that \sim 7 \sim 2, and the form of the form of the \sim 3.

1 .VI 45 on P. tentining (Scrain was -- Alla Ser).

i i skulbal shooks 7% Fire star eld proved smit fall follow eld stall mellen should make the stall follow eld stall mellen should make the stall make the stall mellen should be stall make the stall mellen should be stall mellen s

"npall") sweetsta amenia (Wilson)

"Found on Juniperus occidentalis along the dry ridges in Eastern Oregon." (Wilson 1915 p 104).

Cinara schui Hottes

Bly 12. VIII.56 on Abies concolor (Schuh leg -- Hottes det).

? Cinara schwarzii (Wilson)

Forest Grove 11. IV. 26 on Pinus ponderosa (Wilbur leg -- ANT det query).

Cinara setulosa Hottes & Essig

Mt. Ashland (Jackson Co) 2.IX.54 on Abies magnifica shastensis.

Siskiyou Gap (Jackson Co) 12.VIII.55 and Silver Fork Gap (Jackson Co) 27.IX.56 (Gentner leg -- H & E det).

Cinara sibericae (Gillette & Palmer) American Juniper Aphid

- Portland 18.IV.40 on Juniperus sabina var. fastigata (Schuh leg -EOE det); Aug. 1939 on cedar (Juniper) (W P Edwards leg -- ANT
 det).
- Salem 10.VI.64 on Pfitzer juniper (Larson leg -- ANT det who writes MDL "The status of this species name is uncertain as the taxonomy of the whole Juniperus-feeding Cinara complex needs investigation."

Cinara sonata Hottes

Mt. Ashland 12.VIII.55, 12.IX.54 and 27.IX.56 on Abies magnifica shastensis (Gentner leg -- Hottes det).

Cinara taxifolia (Swain)

Eugene 20.IV.26 on white fir (C M Greenfield leg -- ? Schuh det).

Cinara tsugae Bradley

Troutdale 16.VI.68 on hemlock (Gray leg -- Dickson det).

see districtions rings ", .

e édf

er ton un pa 35.71.5

Capara secolosa na

en (Frakson Co) Livi es

esp. (Jackgon Co) L2 VIII 7 : 1 one

13.17%, on the poets stains will be a figure of the a

; 64 on filler im; n. Reist Tine scaus of the n. Photo compensated of La

-

Creek a Searcour

Maio of mario it, is a secon

Charle Let the Brown

norsicia -- gsi yaddi dooddood oo di . V.J.

Cinara tujafilina (Del Guercio) Arborvitae Aphid

Sherman Co summer and fall 1967 on an arborvitae hedge (Reported by Bob Every -- LMR det).

Cinara wahsugae Hottes

Oregon but no loc or date (Schuh leg -- Hottes det in Proc Biol Soc Wash 74:116).

Cinara winonkae Hottes

Portland, Clinton Nursery 17.IV.53 on arborvitae, heavy infestation but Syrphid larvae had them well under control (Palmer det via Knlt Rept by Hans Nicolaison).

Coloradoa rufomaculata (Wilson) Pale Chrysanthemum Aphid

Milwaukie (Clackamas Co) 8.II.47 on Chrysanthemum sp. Rosensteil leg -- EOE det).

Corvallis 11.II.52 on Chrysanthemum sp. (Amen leg -- AGR det).

Hillsboro 9. III. 43 on mums in grhse (Schuh).

Cryptomyzus ribis (Linnaeus) Currant Aphid

Corvallis July 1935 on currant (Larson leg -- ANT det 1 slide in Myzus); 6.IV.14 stem mothers on currant (H E Ewing leg & det).

Gresham 18.VI.42 on Stachys ciliata (Schuh leg -- AGR det).

Salem 19.V.43 on cult currant (Schuh leg -- AGR det).

Albany 17.V.49 on red currant (Ellertson leg -- AGR det).

Ctenocallis setosa (Kaltenbach) = Gentnera oregona Essig

Medford 8.VII.53 heavy on Scotch broom (English hybrids), Cytisus scoparius (Gentner leg -- AGR det); 24.VII.51, 20.IX.51, 6.X.51 on C. scoparius (Gentner leg -- EOE det); and 30.V.58 on C. scoparius (Gentner leg & det).

to m at 181.7 Serialistus 88-683

and the second of the second o

Cir marina

506 30R

A IL 32 on Characthern so were year ACM near.

S andre of amor ou Ed Lil

A DOT THE RESERVE THE COLUMN TENT

TOTAL FOR TELEVISION SERVICE AND SHARE

er natifil the court that go fe. Ve

. W of an red carraet (Ellergs les uns tet

132 metric (Religiously - Periodry Control 2011

3.VII 53 heavy amount made Cheller (veride). 1919 the second (Contact Segre ACT dety) 17,921 1 26.1 ... (impact Leg - 205 ent) and 30 V.55 m 2. contact made action of the contact Leg - 205 ent) and 30 V.55 m 2.

Dactonotus adenocaulonae (Essig) Adenocaulon Aphid

Deschutes R near Culver (Jefferson Co) 28.V.41 in axi1s of stems of Crepis sp. (Schuh leg -- EOE det).

Dactynotus sp.

Lapine 3.VII.72 on Balsamorhiza sarcyana (Steyskal leg -- AGR det).

Dactynotus ambrosiae (Thomas) Brown Ambrosia Aphid

Salem 5.IV.23 on a weed (Mote leg -- ANT det).

Powell Butte (Crook Co) 8.VII.41 on Solidago sp. (Schuh leg -- EOE det).

Portland 8.V.41 on Solidago sp. (Schuh leg -- EOE det).

Troutdale 7.VII.68 on thistle (Gray leg -- Dickson det).

Sandy R. near Troutdale 1.VII.42 near tips of Solidago sp. (Schuh leg --AGR det).

Gresham Aug 1943 on Sonchus oleraceus and Lactuca serriola (Schuh leg -- AGR det); 1.IX.50 on Solidago elongata (Crumb leg -- EOE det).

Near Springdale 23.V.42 near tips of Solidago sp. (Schuh leg -- AGR det).

Multnomah Co Farm 1.IX.50 on Solidago sp. (Crumb leg -- AGR det).

Mt. Hood, Government Camp 9.IX.49 on Vaccinium sp. (Dickson leg -- EOE det).

Fairview 5.IX.49 on Aster sp. (Mowry leg -- EOE det) 3 alatae.

Dactynotus circii (Linnaeus)

Corvallis 9.VII.72 on Cirsium arvense (Steyskal leg -- AGR det).

Dactynotus erigeronensis (Thomas) Canadian Fleabane Aphid

Klamath Falls 25.VI.46 on Achillea millefolium (Schuh leg -- EOE det).

Salem 17.VI.39 on Grindelia sp. (Knlt in MS 387 p. 17).

Am amis during atom (8-mg)

R mear Colore (Jeffergon Col 18.7.4] white I store sp. (Schub Leg - EOK det).

Roll you at my the great bill prometian no IC.IIVa

Paccy foliate authory of a rosasa

.1 to los ye sold been a so of VI

re (Grook Ro) 1 VII.4 on Solian ... (Schol

8.7.4) on Solidago to. (School -- EGE t

Maria - June - June - Started do Nil

, near Trontdate L.VII.42 meat " 'n Solidern us to date."

1963 on Schools Sierkrun and Leutenla at view (Ret

odale 23.V.A2 nest :3p w Solideon sp. 159

se muchine out . III a profit don sevel

S.IK.69 on ester sp. (Nowny leg. UTE hart talaces.

nact noter circul (Linneas)

. ADA — gol (Savense (S. eveker) leg - ACR -

Dectymore; ere a organis (Thomas) Cauadton vicabans Apost

n 25 W. Au on Achilies millasolis: (Sulmh un -- 30% det).

Dactynotus escalanti (Knowlton)

Burns 24.VI.45 on Chrysothamnus nauseosus (Knlt in MS 164 p. 4).

Milliken, Brothers Hampton 24.VIII.44 on *C. viscidiflorus* (Knlt in MS 171 p. 7).

Dactynotus rudbeckiae (Fitch) Goldenglow or Coneflower Aphid

Corvallis 2.VII.11 on Solidago sp. (1 slide in OSU).

Dactynotus russellae Hille Ris Lambers

Parkdale 13.VIII.43 on Anaphalis margaritacea (Schuh leg -- AGR det).

Dactynotus taraxaci (Kaltenbach) Dark Dandelion Aphid

Salem 4.VII.41 (RER leg -- ANT det). Note from Mote -- "damaging
 dandelions grown for seed."; Chemawa Rd. 12.IX.56 on Aster sp.
 plant weakened, all stages present (A B Black -- EOE).

Portland 22.V.51 on dandelion (J W Bell leg -- Knlt det).

McMinnville 16.IV. on dandelion (Wilbur leg -- ANT det).

Baker 17.VI.38 on Taraxacum officinale (? leg -- ANT det).

Corvallis 6.VII.47 on dandelion (Crumb leg -- AGR det).

Dactunotus tardae (Hottes & Frison)

Amity 18. VII. 34 on Helenium autumnale (Schuh leg -- ANT).

Clatskamie 24.VII.36 on sneezeweed (Schuh & Gray leg -- ANT det).

Scappoose 10.VII.36 on H. autumnale (? leg -- ANT det).

Drephanaphis acerifolii (Thomas) Painted Maple Aphid

Portland 19.VII.40 and 15.VIII.40 on Acer (dasycarpum) saccharinum (Schuh leg -- EOE det).

Hermiston 10.VII.50 on maple (R W Every leg -- EOE det).

Associated Bodings Sevill as on the second Contract of the particles of th

Fix typetron redigentles (first))

2.VII Il on S. Lidago op. (1 slide a on

Caction of a city selles and accompany

All Ell. As an englishment as a Sold Land and a sold a sold and a sold a sold a sold and a sold and a sold a sold a sold and a sold a sold and a sold a sold

Sacrigabtus akrasmos (Fol. mbech Bask Brod Stlow Act

W. 41 (Red leg -- NNE det), Mare from 1872s -- nm uns de lega groun 1:r soed,"; Chemana da 12.17.55 - Airai condeces, all stages pressant (A B Block U)

16. IV. or Bandalion (Will or my Ann. 16. IV. or Bandalion (Will or my Ann. 17. It on Taxas exual of colonias (Click or Taxas exual or Taxas exual or Click or Click or Taxas exual or Click or Taxas exual or Click or Taxas exual or Click or Clic

(rec ATA ges dwarf) correbash ou Fd. 15V.0

translad a section behave strandgrad

16.35 on Helanius animmata (Schult Leg -- 187).

WILLSt do H. auturnels (2 les e. our dot)

Drephanaprus acesidalis (Thomas) Palmad Mosen Pobla

. and S. VIII. 40 on 'Acar (the synaphyre) rase, the min

J on sold (A W Every Leg -- ROE dan).

Talent 21. VIII. 50 on A. saccharinum (Gentner leg -- Granovsky det query).

Drephanaphis oregonensis Granovsky

Forest Grove 14.IX.19 on Acer macrophyllum (in Knlt MS 387:50).

Talent 10.V.57 on A. macrophyllum (Gentner leg -- Granovsky det).

Drepanosiphum platanoides (Schrank) Sycamore Maple Aphid

- Portland 9, 25.X.70 on maple (Gray leg -- Dickson det) males included; 11.VI.68 on Oregon maple (Gray leg -- Dickson det); 2, 13.X.68 on sycamore maple (Gray leg -- HRL det).
- Corvallis 24.VIII.47 on maple (Wilbur leg -- ANT det); 18.IV.26 on maple (Wilbur leg -- ANT det).

Dysaphis apiifolia (Theobald) Formerly Aphis ferrugineastriata Essig

Corvallis 24.VIII.47 on carrot (Crumb leg -- EOE det); 8.XI.49 on
 carrot (Crumb leg -- EOE det); 8.XI.50 on carrot (Tanner leg - EOE det).

Jefferson Co. 28.X.49 on carrot (Crumb leg -- EOE det).

Dysaphis crataegi Kaltenbach

Corvallis 24.VIII.47 on crown of carrot roots (Crumb leg -- 6 apterae
 on 1 slide in USNM -- Stroyan det).

Dysaphis plantaginea (Passerini) Rosy Apple Aphid

Corvallis Oct and Nov 1936, 13 collections on apple (N. Larson leg --ANT det); 23.IV.41 on apple (Schuh leg -- EOE det); 12.VII.99 on apple (? leg -- ANT det); 6.VIII.25 on apple (Wilbur leg -- ANT det); 13.X.42 on apple (Schuh -- AGR det); 9.X.46 on apple (Crumb -- EOE det); 17.4.51 on apple (Amen leg -- AGR det); 6.X.25 on apple (Wilson leg -- ANT det).

Talent 29.X.15 on pear roots (Gentner leg -- Lovett det with query).

proup a changeria a fill background have recomed as no delittle.

vers vulners - lunding - inga silv id

ar igna no GI MI Al ot n

N.V. 57 on A. Dieter De'in 1355

ic gr

1. 23.02.72 or moved 1780y ros Dintes a secondete second

24 THE AT the VERBUR 194 -- ONE has the

Partie of agraving the Parties

24 VILL 37 one come was Cook so real

(injected) kentrotes aidquequ

on mean monts Mentager Log -- Loyett det with dwery).

Dysaphis tulipae (Fonscolombe) Tulip Bulb Aphid

- Heppner 27.V.53 on Gladiolus bulbs all stages but only 2 alatae (Dick Hemmerling Rept -- Knlt det). "Gladiolus bulbs packed by Olaf Monrod Bulb Co. Inc 900 Thomas St, Seattle, Wash).
- Astoria, Owen Garden and Pet Store 29.IV.50 on Dutch Iris bulbs "all stages present; bulbs badly withered and useless" (Hugh Taylor Rept -- Knlt det).
- Salem 10.IV.26 on Gladiolus bulbs (Mote leg -- ANT det).
- Corvallis 11.VIII.49 on carrot crown (Crumb leg -- AGR det); 24.VIII.17 on carrot crown in greenhouse (Crumb leg -- AGR det); 8.XI.50 on carrot (Tanner leg -- AGR det); 1.XII.50 on carrot (Amen leg -- AGR det); 5.IX.51 on carrot (Amen leg -- AGR det); 12.II.13 on tulip stems (OSU). Dr. Stroyour has named the carrot aphids as D. crataegi.
- Jefferson 28.X.49 on carrot (Crumb leg -- AGR det).
- Umatilla Field Sta., Hermiston 19.X.50 on carrots (Dana leg -- AGR det).
- Medford 30.I.55 on stored tulip bulbs (Gentner leg -- EOE det).

Elatobium abietinum (Walker) Spruce Aphid (Has been also placed in Mindarus and Myzaphis)

- Astoria 27.V.17 on Picea sitchensis (A Engbreton leg -- A C Baker det; also ANT det).
- The following records are from the Scientific Records System, Coop Econ Insect Surv, USDA -On spruce; all down the coast of Oregon in June 1915 (Wilson in Proc Ent Soc B C 9, 64, 1916).
- Ashland (Rept by J M Miller 12.X.18 -- A C Baker det).
- North Bend 2.V.29 on *Picea sitchensis* J M Miller leg -- A C Baker det).

 "Covers foliage in great numbers."

 Extensively damaged Sitka spruce stands at Newport and Gold Beach.

 This injury was particularly noticeable during June and July (J

 Capizzi rept in Summary of Insect Conditions in 1957).
- Reported as doing extensive damage to spruce in Portland (Larson letter 15.V.58 -- LMR det).
- Week ending April 18, 1964 -- winter feeding damage very pronounced on needles of Colorado blue spruce in Multnomah County nurseries (Larson).

- Warm weather in March brought out a heavy infestation on ornamental spruce in Multnomah County (Larson in Summary of Insect Conditions during 1965).
- "Caused heavy needle damage to blue spruce in some untreated Multnomah County nurseries." (CEIR 16(17): 370, Apr 29, 1966.

Eriosoma americanum (Riley) Woolly Elm Aphid

- Hood River 2.V.29 on Ulmus sp. (D G Gillespie leg -- ANT det.
- Corvallis 28.V.40, 28.IV.41 on U. americana (Schuh leg -- EOE det);
 18.VI.38 (Hsiao & E J Haller leg -- ANT det); 14.VI.40 on Am elm
 (Haller leg -- ANT det).
- Portland 9.VI.68 on English elm bark (Gray leg -- Dickson det); 18.VI.71 on elm (Gray leg -- Swenson det).
- Albany, Corvallis and Salem 21. VI.39 (? plant) (Knlt in MS 387 p. 20).

Eriosoma herrotii Patch

Corvallis ? date, on Ulmus americana (Swenson leg & det).

Eriosoma lanigerum (Hausmann) Woolly Apple Aphid

- Portland 9.VI.68 on apple (Gray leg -- Dickson det); 24.IX.68 on stems and trunk of apple (Gray leg -- Dickson det); 3.VII.49 on apple twigs (Schuh leg -- EOE det); 3.VII.40 on apple (Schuh leg -- EOE det).
- Coos Bay (Coos Co) 10.VIII.54 on Cotoneaster sp. "very few left; apparently under control." (J P Roaf Rept -- Knlt det).
- Hood River 16.X.29 on apple (Gillespie leg -- ANT det); 3.V.41 on apple
 (H E Morrison leg -- EOE det).
- Corvallis 9.VI.27 on elm (Vertrees leg -- ANT det); 4.VI.39 on elm leaves (Rosensteil leg -- ANT det); 21.IX.25 and 6.X.25 on apple (Wilbur leg -- ANT det); 9.VI.37 on elm (Vertrees leg -- ANT det); 7.VI.18 on Am elm (ABB leg -- ANT det); 24.X.31 on elm (Wilson leg & det); 24.X.14 on Pyrus malus (Gentner leg -- ANT det); 24-31.X.11 on apple several colls incl sexuales (Gentner leg -- ANT det); 24.X.41 branches of apple (Gentner leg -- ANT det); 23.X.41 immigrant alate sexuales (Wilson leg & det); 24.VI.14 leaf galls on Ulmus sp.

ener on melatic ternad that the median of the Control (Darsun Second of the Control (Darsun 1965).

Tourseries." (VEIN lati7) 2, at 7, 1995

. Of the same each

1 2.V.29 of and U Given a 20 C

. Vi.68 on English | Fark (Cruy now | Energon lot T.71 or cle for ! Seened |

25 g ... SLLED , ! : moie2 hou

To the spect that the

2 date, it I was than 180, t

the remaindable to the second of the second

PARAMETER OF THE THE PROPERTY OF THE PROPERTY

or 16 X.2: on uply [Stileagin og - AVI dor]: 5-V-41 m mm : 190xrison eg 406 Acr).

g 9. VT.27 on ain (Ventives one iM) and: VI As Th. 1 avenue of 11g. - ANT deby; 21.7%.21 to b.1.25 to ... (IM) are - ANT deby; 21.7%.21 to b.1.25 to ... (IM) are and (ABB lev - ANT fee); 24.2%.) I at cha (ABB lev - ANT fee); 24.2%.) I at cha (ABB lev - ANT fee); 24.2%.) I at cha (ABB lev - ANT fee); accept the character of 124.3% All on collaboration (ABB lev - ANT fee);

erag off deal, and the tendence of all electrons of the control of

(Gentner leg -- ANT det); 21.VI.15 leaf galls on cork elm (Gentner leg -- ANT det); 9.X.46 on apple (Crumb leg & det).

La Grande (Union Co) 24.X.36 on Am elm (Every -- Co Agt leg -- ANT det).

Monroe 2.X.36 on apple (Mote leg -- ANT det).

Marshfield 5.VI.41 on Pyrus diversifolia (Schuh leg -- EOE & ANT det).

Oregon City (Clackamas Co) 21.VII.17 galls on elm (E C Hackett leg -- ANT det).

Albany 26.VI.16 galls on cork elm (J C Crawford leg -- ANT det).

Medford 21.VI.15 bonnet galls on cork elm (Gentner leg -- ANT det);
 27.X.15 scarce on apple limbs (Gentner leg -- Wilson det);
 4.XI.15 galls on apple trunk (Gentner leg -- Wilson det).

Eriosoma pyricola Baker & Davidson Woolly Pear Aphid or Pear Root Aphid

The following three papers have been published on this aphid in Oregon -

Sethi, S.L. and K.G. Swenson. Formation of Sexuparae in the aphid, Eriosoma pyricola, on pear roots. Ent. Exp. & Appl. 10 (1967); 97 - 102. North - Holland Publishing Co., Amsterdam.

Methods for culturing root aphids on Woody Plants. Jour. Econ. Ent. 60(4): 1170 - 1171. Aug. 1967.

Swenson, K.G. Biology, Control Studied for pear root aphid. Oregon Ornamental & Nursery Digest, Oregon State University 13(1): 1, 5 and 6, Aphid 1969.

The aphids which were used in the experiments at Corvallis were on the roots of Bartlett pear, *Pyrus cormmerria*. This aphid migrates from the roots of pear, its secondary host, to elm, its primary host.

Dr. Swenson writes MDL in May 1973 that "This aphid is now part of the Western Oregon insect fauna and can be found in pear nurseries at any time in Western Oregon. It occurs commonly in Corvallis and at the Forest Grove area. The aphids which we use in our experiments were originally collected at Forest Grove. We have never found it on elm in the Willamette Valley but we have made numerous collections of the aphid on elm at Medford, Oregon."

Corvallis 1.VII.14 bonnet galls on leaves of cork elm (Gentner leg -ANT det).

freh FU . Ask u gravel wis at no ME Z.AS (or mainth)

God and the Chara leg -- All dee)

Willel a Pyrus dave (folia sano leg - 708 s NTS set)

(Clack of the Color of the Color of the Color (B.)

Vi. 16 gails on core share i branford ton any

Aricsons ucido, osse à levidace Novily Yest thild : la. doot Aprid

hidge his. Secation need was greened security

, S.L and K.G. sweet - a sent of the man of the man of the control of the control

. Nethod. For cultury errors a Solar Elect Die, 60(4): 1270 1173. Aug. 1953.

men N.G. Biology Control Studied on pen tent and ol a Sursery Digest Oregon state University (1 6. April 1983

teptics which were isself the executional or Grava in cost of Ref. 18th read to cost of Ref. 18th read to cost of Ref. 18th reading on secondary or secondary.

name within Nat. In Nov 1971 that "Internated in now many
responding and on the foliation of any on the foliation of the set of the

aus is the Willescerr valley but we wave note concerns for Llegy was

avi to bounce cults in liarus of cork star (Generaly Leg --

Eriosoma rileyi (Thomas) Woolly Aphid of the Elm Bark (E. ulmi (Riley) is a synonym)

- Corvallis 23, 24.VIII.09 and 24.VI.14 galls on cork elm (Gentner leg -Wilson det); 25.V.13 on leaves of Ulmus sp. (Wilson leg & det);
 20.VI.14 galls on cork elm (Wilson & ANT det).

Essigella californica (Essig) Monterey Pine Aphid

Corvallis and Grants Pass ? date on *Pseudotsuga douglasii* (taxifolia) (Wilson 1919 p. 1).

Grants Pass ? date on Pinus ponderosa (Wilson 1919 p.1).

Essigella gillettei Hottes

Crater Lake 2.X.56 on Pinus albicaulis (Gentner leg -- Hottes in Proc Biol Soc Wash 70:90, 1957).

Butte Falls 5.X.56 on Pinus ponderosa (Gentner leg -- Hottes).

Essigella hoerneri Gillette & Palmer

Crater Lake 2.X.56 on Pinus albicaulis (Gentner leg -- Hottes det).

Essigella oregonensis Hottes

Govt Camp One near Timberline Lodge (Clackamas Co) 17.VIII.58 on
 Pinus albicaulis (District Forest Ranger leg -- Hottes in Proc
 Biol Soc Wash 71:156, 1958).

Essigella wilsoni Hottes

Eucallipterus tiliae (Linnaeus) Linden Aphid

Corvallis 12.XI.14 on Tilia americana (Eilson leg & det); 31.VII.33 on

French Las Const.

Santil Artic block tion success

Santil Articles of the Santil

g f testinger from star to the transfer of the second star of the seco

Electrical Experience

Today user relationed esec esec transform

g First malth worders and to pany to a

orm no 183 and an an order of the on the contract of the contr

reducide by some thirt

is no December such about the α in the proof the α white 70 ± 0.7 .

Smootlijdespa takkal (Libercons)

Fill At ffact to pel monatti nort rame a lift to All.

ali som

.- 17

T. americana (Schuh leg -- ANT det); 5.VII.34 on T. americana (MDL leg -- Palmer det); 28.VII.34 males and ovips on T. americana (N. Larson leg -- ANT det); 28.VII.35 on T. americana (Ferguson leg -- ANT det); 8.IX.48 on linden (Mote leg -- EOE det); 20.X.34 on linden (N. Larson leg -- ANT det).

Klamath Falls 17.IX.70 on linden (Gray leg -- Dickson det); 31.VIII.69
 on linden (Gray leg -- HRL det).

Forest Grove 18.VI.26 and 16.IV.26 on T. americana (Wilbur leg -- ANT det).

Euceraphis betulae (Koch) -- see
E. punctipennis Zett.

Euceraphis gilletei Davidson

Lacomb (Linn Co) 27.V.37 on alder (Edwards leg -- ANT det).

Parkdale 4.VIII.41 on Alnus sp. (Schuh leg -- EOE det).

Coquille (Coos Co) 5.VI.41 on A. rubra (Schuh leg -- EOE det).

Cornellius Pass 11.XI.68 on alder (Gray leg -- Dickson det).

Forks 19. VIII. 49 on A. rubra (Crumb leg -- EOE det).

Euceraphis punctipennis (Zetterstedt)
(Formerly identified in USA as E. betulae (Koch)
European Birch Aphid

Corvallis August 1916 on Betula sp. (Moznette leg -- Wilson det).

Portland 24.V.40 on Betula laciniata (Schuh leg -- EOE det); 6.VI.68 on weeping birch (Gray leg -- Dickson det); 3.IX.69 males and ovips on weeping birch (Gray leg -- Dickson det).

Fimbriaphis fimbriata Richards

Gresham 20.VI.42 on cult strawberry (Schuh leg -- AGR det).

Fimbriaphis gentneri (Mason)

Medford 17.V.48 on Bartlett pear leaves (Gentner leg -- AGR det).

3

8.VI. of Day of .IV.81 e

to part of the section of the sectio

eague t 1997 on Sutu. A s. House 1 no - Wilming dat

25.% cf) or Setul: 1:05,15to (South was -. 50 sing biren (Orno tep - 91:% on der); 3.18.63 motors and on beigning along (Song Low - Lickson wat

eustabli sin idmil tungsindmis

1 leve at on our seremberry (Schub leg Aux ser).

Frankischia auftenal (Misar)

Jured on tertiect past leaved (Smrthe) 103 -- ATK doti-

Talent 20.V.47 on Anjou pear leaves (Gentner leg -- AGR det).

Forda formicaria Hayden

Near Dee (Hood River Co) 20.V.59 on grass roots (Schuh leg -- CFS leg).

Forda marginata Koch

Ashland May 1958 on grass roots (Schuh leg -- AGR det).

Geoica pellucida (Buckton)
(Formerly identified in this Country as G. utricularia (Pass.)
(Geoica squamosa (Hart) is a synonym)

Corvallis 29.V.50 "in soil" (V D Roth leg -- EOE, Crumb det).

Hyadaphis foeniculi (Passerini) (Synonym is Rhopalosiphum conii (Davidson)) Honeysuckle and Parsnip Aphid

Corvallis 1.X.33 on snowberry (Dimick leg -- ANT det); 23.V.41 on

Heracleum lanatum (Schuh leg -- EOE det); 31.IV.26 on honeysuckle

(Wilbur leg -- ANT det); 26.VIII.42 on Conium maculatum (Schuh leg -
AGR det).

Philomath 4.XI.36 on Symphoricarpos albus (Schuh leg -- ANT det).

Brownsmead (Clatsop Co) 25.IV.36 on honeysuckle (Gray leg -- ANT det).

Oregon City 4.VI.40 on Lonicera (cilliosa) (leg & det?).

Prospect (Jackson Co) 7.VIII.41 on Perideridia parishii (Schuh leg -EOE det).

Trail 8.VI.41 on Daucus pusilla (Schuh leg & det).

Grants Pass 7.VI.41 on Conium maculatum (Schuh leg -- EOE det).

Crescent City 6.VI.41 on Lonicera sp. (Schuh leg -- EOE det).

Portland 13.IV.41 on Lonicera sp. (Schuh leg -- EOE det).

Milton-Freewater 2.X.51 on Honeysuckle (C G Anderson leg -- Knlt det).

. If rented' waved trace (ch ma Th. ;

(13) A River Co) 20 V. 19 no result hack)

3938 or ve

The mail of the case of the court of the cou

29. V.50 "in soil" (V H Roch se - Eng

Implepts factor in Prepartit (Sympton is Projector in 11 :: Romansucity in Pay 16 ::

t 1.X.33 on sorwhere, this country that the second (Schutz Le) - 10x 10x):

Second Length (Schutz Le) - 10x 10x):

Second Length (Schutz Le) - 10x 10x

4.11.36 on Symphorios pre alla communica

(Clateop Co) 25. FT. 36 on browserste AVI det)

May 4.VI.46 an improved forth in (leg o

(Jackson Col 7 VIII / 1 or N Per n ear bubles or det).

.61 on Paurus nusilla (Schuh leg N 10:)

7.71.41 co Conium maculation (Schuh, eg.

6.VI.4: un Exmittera sp. (Summa in --

13.EV.63 on . ricera ep. (Schul) leg Nu

R.E.S. on Homeysuckle of G Andrian I . dett.

Talent 21.VII.53 on Conium maculatum (Gentner leg -- EOE).

Hyadaphis pseudobrassicae (Davis) Also called *Lipaphis erysimi* (Kaltenbach) Turnip Aphid

Albany 18. VII. 36 on cabbage (V Mullen leg -- ANT det).

Ochoco Dam (Crook Co) on Descurainia sophia and Thlaspi arvense (Schuh & Gray leg -- EOE det).

Cove 18.V.41 on Sisymbrium altissimum (Gray leg -- EOE det).

Klamath Falls on mustard (Schuh leg -- EOE det); Aug. 1946, 1947, 1948 on wild mustard (Schuh, Crumb -- AGR det); 20.VIII.48 Brassica campestris (Crumb leg -- EOE det).

Gresham 4. VIII. 49 on Raphanus sativus (Crumb leg -- EOE det).

Willamette National Forest, Tombstone Prairie (Linn Co) 13.VIII.49 on Brassica campestris (Crumb leg -- EOE det).

Corvallis 17.I.48 on broccoli (Crumb leg -- EOE det).

Klamath Br Sta 28.VI.49 on potato a "stray" (Crumb leg -- AGR det).

Redmond 11.VIII.47 on Chenopodium "stray" (Crumb leg -- AGR det).

Hyalopterus atriplicis (Linnaeus) see Brchycolus atriplicis (L)

Keasey (Columbia Co) 22.VI.18 on plum (A Shillupeit leg -- ANT det).

Milton-Freewater 12, 14.37 on prune (H Klein leg -- ANT det); 15.VI.53 on Italian prune (Lew Wallace leg -- ? det).

The Dalles 13.IX.35 on Phragmites communis (Zeller leg -- ANT det).

Klamath Falls 6.VII.41 a stray on potato (Crumb leg -- AGR det); 16.IX.49
 on cult peach (Crumb leg -- EOE det); 15.X.53 on Prunus americana
 (Crumb leg -- AGR det).

Keno 6.XI.52 on Prunus emarginata (Amen leg -- AGE det).

Talent 11.VII.47 in large numbers on young apricot trees (Gentner leg --EOE det).

The in device sould comen top - min

"umings o remidebra . Downs

VIL. 16 on washing (V Hollen leg And de

(Efford Co) on Destar that some a to This covered the place - - 18 days.

emin ola an estable C co

Falls on machard (Schol Lo - FN des to the test to the dest to the

4. VIII . 48 on Raphanus saturas (Crum) leg -- :05 leg)

Nation. Forest, Indostine Scattle ... to 1 9731 49

to: EUR ger an mil closect us BA.T. TL

Bra 23 WI.AS ... DUEDED P. CRY" (URDER -- ALR DONAL

(Tob 380 -- gus con, "runno" bodo - pe to LLIV. III

Light Total - gol flood of Plant on Blass Col Additional I

-P cro: 72, 15:3) on pruns (8 rein leg - 120 det); 15:77.33 n lesitam proce (tot Wallove eg - 1 det)

13.15.25 on Phraumies ware no (Raller leg 199 de

Pally 6.971.41 a stray on potent (Crumb leg -- AGR int).
3 cuit peach (Grumo lig -- EuE det); 15.%.51 on stanus sections.
4 teg -- AGP det:

Mible on Prunce omerginate (Amer 10g - - AGR det).

MINIT AR In large numbers on vount englied trood (Contract log -- RUR dat).

Hyalopteroides humilis (Walker) Orchardgrass Aphid

Corvallis 2.IV.50 no plant (V D Roth leg -- AGR det).

? Hysteroneura setariae (Thomas) Rusty Plum Aphid

Corvallis 15.IV.35 on prune (NPL leg -- ANT det with ?).

Kakimia canadensis Robinson

Ten Mile 27.VI.52 on Lonicera involucrata (Schuh leg -- AGR det).

Kakimia cynosbati (Oestlund) Dogberry Aphid

Ochoco Ranger Station (Crook Co) on Ribes sp. (Schuh & Gray leg -- EOE det).

Kakimia essigi Gillette & Palmer Black-backed Columbine Aphid

Olallie Lake 5.VIII.41 on Aquilegia formosa (Schuh leg -- EOE det).

Portland 29.III.41 on cult columbine (Schuh leg -- EOE det).

Klamath Falls 29.VI.49 on columbine (Crumb leg -- EOE det).

Corvallis 26. IV. 52 on columbine (Amen leg -- AGR det).

Medford 31.V.51 on columbine (Gentner leg -- EOE det).

Kakimia spp.

Gresham (Johnson's) 16.V.42 on Ribes sanguinium.

Deschutes R. near Terrebonne on Ribes sp. 29.V.42 (Schuh leg -- AGR det).

Corvallis 11.VI.43 on wild gooseberry (Schuh leg -- AGR det); June 1933 on rose 1 alate (Mote leg -- ANT det).

Ochoco Ranger Station 29.V.41 on Ribes sp. (Schuh & Gray leg).

to incompand of the property of the tree to the tree t

A Part of the column of the policy of the state of the st

REST OF CONTRACTOR OF THE AGE.

13-IV. If on groups (29 a c. and one .

BUT the second of the second material

The result of the second of th

S. VIII. Al at the tions are of a section to 14.111V.

129. Hillel e indr nedumblen tiem .. m

29. V4. Vy on olymbica Mirnel eg 97

- 26.17.52 or clumber three key Aca Jo

et In . g. . arned account to to a.v. in

destroyed and

io men 's) 16. V.A2 or Aibas vanduinium.

" Indox ? Secretaria en R bes. 1 19 W.A.? (Notes)

bookbords (Notwik ang -- 20% news, use 222

Kakimia houghtonensis (Troop) Gooseberry Witchbroom Aphid

Brookings 9.III.48 on wild gooseberry (J E Davis leg -- Knlt det).

Liosomaphis berberidis (Kaltenbach) Barberry Aphid

Milton-Freewater Nursery, Milton-Freewater 2.X.51 on honeysuckle.

Carson (Baker Co) 31.III.53 on barberry (Rept by J E Davis -- Knlt det).

Corvallis 31.III.26 on barberry (Wilbur leg -- ANT det).

Portland 23.VII.44 on barberry (Knlt in M S 387 p. 12).

Forest Grove 6.XI.19 on Berberis sp. (A C Burrill leg -- Knlt det in M S 171 p. 13).

Lower Klamath Lake 13.V.59 on Berberis (Schuh -- AGR).

Medford 8.V.51 and 16.VI.55 and 9.V.57 on Berberis aquifolium (Gentner leg -- EOE det).

Lipaphis erysimi (Kaltenbach) see Hyadaphis pseudobrassicae (Davis)

Longistigma caryae (Harris)
Giant Bark Aphid

Portland 20.IV.53 on white fir (Wiemer Rept via Knlt -- Palmer det).

Macrosiphoniella essigi Soliman (Obtusicauda essigi Soliman)

Deschutes R. near Redmond 29.VI.41 on Artemisia tridentata (Schuh leg -- EOE det).

Macrosiphoniella ludovicianae (Oestlund) Dark-leaved Wormwood Aphid

Corvallis 2.VII.11 on Artemisia vulgaris (Wilson leg & det).

"Collected at Corvallis, Oregon July 2, 1911 on Artemisia vulgaris and on same plant at Salisbury (Baker Co), Oregon July 26, 1914. A very large grayish green species feeding mostly on the stems."

(Wilson 1915:98).

y habish bayan assa. Ta w Gunasberry Buchbersh Nahi

of it varedonoug hits no Eh. ...

Le weigne des est une ender a bach?

a N-maril V reares 353

ruse Co) 31.1:1 in barberry fts. . Dr

at 11.20 on her even (Milb) .

3. Vil 44 on Market C. V.

LVI p. 13).

() H FRI AT ATTOMICA FINANCIALLY COM-

ा अर्राह्य होता विश्ववित्ता तथा हा हिताह - ए व

nemi ver ver plit na ett i er - 50 kmen Hoot te tell tell searri ve tot om -

. neur Redmona 29 77. 5. um Arturacia tradrotata 15-buh 55

Mnorder phonis/la luiswickenss (Oussland)
Dank-Justed Werzwell Labit

Caffell on Wrights and party (Wilson eg & dath)

ervailts, jon huly 2, 1911 on estemista orderin and a Sul is (Saker to), eyen hulp 26, 1945. A ling aparter teering mosely on the sters."

Salisbury 26.VII.14 on A. vulgaris (Wilson).

Riddle (Douglas Co) 3.V.37 on A. suksdorfii (Ferguson leg -- ANT det).

Ochoco Dam 29.V.41 on Artemisia sp. (Schuh & Gray leg -- EOE det).

Klamath Falls 27.VI.46 on Artemisia sp. (Schuh leg -- EOE det).

Macrosiphoniella sanborni (Gillette) Chrysanthemum Aphid

Medford 28.VIII.55 on Chrysanthemum sp. (Gentner leg -- EOE det).

Macrosiphum spp.

Kellog 15.VI.37 on thimbleberry (Edwards leg -- ANT det).

Astoria 26.IX.35 on Lotus corniculatus (Gray -- ANT det).

The following records are based on slides in the OSU Collection determined only to ${\it Macrosiphum~sp.--}$

Parkdale 13. VIII.43 on Scrophularia lanceolata(Schuh leg).

Corbett Station 1.VII.42 on Urtica lyalli (Schuh leg).

Gresham 23. VII. 43 on Polystichum munitum (Schuh leg).

Corvallis 22.IV.51 on Prunus emarginata (CRA leg); 3.V.36 on Salvia sp.
 (Gray leg -- ANT det).

Scappoose 2.IX.49 on Echinocystis oregana (Crumb leg).

Ranier 24.VII.36 on Anaphalis margaritacea (Schuh leg).

Macrosiphum albifrons Essig Essig's Lupine Aphid

Multnomah 2.II.41, 1.IV.41 and 8.V.41 on Russell lupine (Schuh leg -- EOE det).

Alsea Mt 13 mi W of Corvallis 19. IV. 41 (Schuh leg -- EOE det).

Portland 19.VI.39 and 24.VIII.39 on Lupinus sp. (Knlt in M S 387 p 16).

Hood River Meadows 13. VIII. 43 on Lupinus sp. (Schuh leg -- AGR det).

Parkdale 13.VIII.43 on Lupinus sp. (Schuh leg -- AGR det).

Medford 22. IV. 49 on Russell lupine (Gentner leg -- EOE det).

. VII. la co d. sealocale (dillos

Nacrosiphonies is cancers (CRITOTE)
Chrysantheam Julia

[1.55 on dirjanthemam .. Unterprise - 50 det).

THE LEGITORY

v. 27 on thimbleberry (Edwards lag -- AM) not

ish (N. -- gars) substant area autol to de Ni

records are based on stall, in its 140 th come decem

13.V.I' on Scrap...los: learerlate(hebut beg).

. (Fig. on Urbaya 1 atta (Figure 1cm).

. All on Polasticana marisum trenun tea

a 22.1V.5L on Pyronus commencioness (Chd. en); . V. 2; . Sellera

2.1%.49 on Echinocystic oregana (formb mass

Macrosiphum albifrons Bus Essigla Lupine Apidd

2.1 .61. 1.1V.41 and 8.V -1 on Russel. Ampine tammont bet

13 mi W of Cor milita 19.19 A. (Stanh lee - 202 let)

39 and 26, 117.39 on repiens ep. (Knit o N 187 o 13)

or is on implant op. (School) eg -- ACS des).

- Willamette National Forest, North Santiam Pass 29.VII.49 on Lupinus sp. (Dickson leg -- EOE det).
- Alsea Mt 13 mi W of Corvallis 19.IV.41 on Thermopsis montana venosa (Gracilis) (Schuh leg -- EOE det).
- S. Santiam Pass 29.VI.49 sweeping lupine (Dickason leg -- AGR det).
- Summer Lake 16.VI.38 on Lupinus sp. (Gray & Schuh leg -- AGR det).

Macrosiphum artemisiae (Fonscolombe) (Hottes says M. basilicum new name)

"This species is found in all sections of Oregon where Artemisia tridentata grows. It has been collected in a very isolated patch of this plant on top of Gray's Peak, Grant County, Oregon, elevation about 7000 ft. It apparently does not occur in the Willamette Valley". (Wilson 1915 P. 97).

Salisbury ? date (Wilson 1916 pp 90-91).

Macrosiphum artemisicola Williams

"On Artemisia vulgaris at Corvallia, Oregon July 2, 1911." (Wilson 1915:96).

Macrosiphum (Sitobium) avenae (Fabricius) English Grain Aphid (Formerly M. granarium Kirby)

- Portland 22.V.51 no plant (J W Bell Rept -- Knlt det).
- Corvallis 8.IV.26 on oats (Wilbur leg -- ANT det); 14.VI.37 on wheat (Vertrees leg -- ANT det); 27.VI.50 on oats (H H Crowell leg -- EOE det); 8.IV.13 accidental on apple (H E Ewing leg & det); 18.IV.39 on barley (Crumb leg -- EOE det).
- Cannon Beach (Clatsop Co) 1936 on a coarse grass (Gray leg -- ANT det).
- Astoria 10.V.36 on Poa annua (Gray leg -- ANT det); 10.V.36 on velvet oatgrass (Arrhenatherum sp.) and Festuca sp. (Gray leg -- ANT det).
- Fruitland 10.VII.57 on wheat and 12.VIII.57 on barley (Larson in Knlt MS 171 p.9).
- Zigzag 2.VII.42 on grass (parasites) (Schuh leg -- AGR det).
- Talent 20.VI.56 on wheat and oat kernels (Gentner leg -- EOE det).

Warlyhal Zhrank, Worth Crokkan Jose 27.711.69 componers

13 mi W DR Corvellia 13.17.0 com mas odina) (Sebub 10s -- FOR d

ourid p. gelgebys (4.19.0% easy

16.V1.38 on Luginus ap 16r a .c.a

Merrespina arteus: ...acoloobal (Battes darw M. bassin new da

upe ica is found to all section of the gon where Arbeminia this plant an top of Bray's Peak, Grai County. The evation about /800 it. It apparents = cts Valley' (William 1915 cts Valley')

7 dage (Wilson 1916 pp 90-91

Macros: phur ar benis wol | 11

te dela vulgaria at O rvalita, Oregon

Macraal, how Mibulust man br English Crain you (Tomorry M. grend up M

12.V.51 no plant (1 W Bell Rept -- nlt det)

cs (Clarsop Co) 1936 on a course of the last the

to 10.V.36 on Pen autua (Gray lug -- MTZ (Arrhenetborum sh.) and Pentung

10.VII.57 on wheat and 12.VIII.1 on baries (war sun un

vir.62 on mess (purchaltes) (Sabub leg - ACR dot).

Mernels (Genraer leg

20

Klamath Falls 19.VII.48 on bluegrass (Schuh leg -- AGR det).

Corbett Station 1.VII.42 on Typha latifolia (Schuh leg -- AGR det);
 2 alatae ? accidental.

Cloverdale 26.VII.50 on barley (E A Dickason leg -- AGR det).

Granger Farm 6.VI.50 on barley (E A Dickason leg -- AGR det).

Granger Farm 6.VI.50 (Crumb leg -- AGR det).

Beech Farm, Corvallis 15.VII.52 on Gladiolus -- 2 al strays (AGR det).

Salem 10.VII.57 on oats (Larson leg -- Knlt det).

Hermiston 2.V.14 on apple leaves (Wilson leg & det).

Multnomah 8.V.41 on Bromus sp. (H J Ostlind leg -- Schuh det).

Limiti Creek near Olallie Lake "sweeping on grass" (Schuh leg -- EOE).

Brooks (Marion Co) 26.IV.41 casual on onions (R E Rieder leg -- EOE det).

Suttle Lake 28.V.41 no plant (Schuh leg -- EOE det).

Peavine Ridge near McMinnville 9.IX.46 "sweeping" (Fender leg 00 AGR det).

Medford 11.V.48 on rye grass (Gentner -- EOE det).

Macrosiphum californicum (Clarke) California Willow Aphid

Gresham 18.VI.42 and 8.VI.43 on Salix sp. (Schuh leg -- AGR det).

Roamer's Rest (Washington Co) 6.VIII.43 on Salix sp. (Schuh leg -- AGR det).

Sandy River, Troutdale 1.VII.42 on Salix sp. (Schuh leg -- AGR det).

Corbett Station 1.VII.42 on Salix sp. (Schuh leg -- AGR det).

Stayton (Marion Co) 7.V.36, casual on strawberry (ANT det).

Redmond (Deschutes Co) 11.VIII.47 on Salix sp. (Crumb leg -- LMR, EOE det).

Troutdale 1.VII.42 on Salix sp. (Schuh leg -- AGR det).

Hard 26.VII St on her lov (Y \ n)

Farm 6.VI. 50 on her log (X \ n).

Farm 5.VI 50 (Vrumb log -- 12) ;

Corvalita ta Visab un Piolkunas a a as Tiat ne outs /Laccon leg "a no con 2.V. M on apple leaves (Filacon in E not b 8.V.A) on Exemus ep. (U 1 destina leg ...

28.V.41 ao elant 'Selma ten -- TOR da
'Selma ten -- TOR da
'Ridge near Mer. may: 1. J. 13.66 'sweepin
A 11.V.63 on two green (Contact -- Eog term

Macro toban californica, parales of the second seco

Station 1.VII.A2 on Salty on Tachyl
Station 1.VII.A2 on Salty ap. (Sabub teg (Marton Co) 7.V.16, tisual on a sener than
ad (Deschutes Co) 11.VIII.A7 on Salty sp. (Greb)

Of the spirit of the sec - 10% deta

turi - nga Mari

-6.5-

Macrosiphum canadensis (Williams)

Wilson (1918 p 90) reports this species from Oregon on sage but gives no definite locality or date).

Macrosiphum coryli Davis

Portland 10.VI.39 on Corylus sp. (Knlt in M S 387 p 16).

Macrosiphum sp. near daphnoides Boerner

Portland 18.IV.70 on Daphne sp. (Gray leg -- Dickson det).

Macrosiphum creelii Davis

Seaside (Clatsop Co) 25.VI.23 on wild pea (Lathyrus japonicus)
(S E Keen leg -- P W Mason); 8.V.24 same as before; 25.VI.23
on L. littoralis, 8.V.24 on Vicia sp. (many on flower stems), all
of foregoing S E Keen leg -- P W Mason det).

Portland 5.VI.24 on *Vicia sp.* and 22.V.24 on *Vicia americana* (Keen leg -- P W Mason det).

Macrosiphum eoessigi Knowlton

Corvallis 27.VI.51 on hollyhock (Amen leg -- EOE det).

Macrosiphum euphorbiae (Thomas) Potato Aphid

- Portland 9.IX.70 on golden oak (Gray -- Dickson det); 19.VII.46 on
 potato (Crumb leg -- AGR det); 17.IV.40 on Sorbus aucuparia
 (Schuh leg -- EOE det); 29.III.41 on Helenium, columbine (Schuh
 leg -- EOE det).
- Corvallis 1.VIII.35 on tulips (Larson leg -- ANT det); 27.III.26 on tulip (Wilbur leg -- ANT det); 22.VI.34 on potato (T Dykstra leg -- ANT det); 9.VII.36 on beets in greenhouse (L Weaver leg -- ANT det); 25.IV.36 on tulip (Gray leg -- ANT det; 20.VII.36 on squash (L Weaver leg -- ANT det); 20.IV.41 on tulip (Schuh leg -- EOE det); 23.IX.50 on potato (Crumb leg -- AGR det); 23.IX.46 on milkweed (Crumb leg -- AGR det); 12.VI.42 on Lactuca serriola (Schuh leg -- AGR det); 25.VIII.25 on Lactuca serriola (Wilbur leg -- ANT det); 12.VI.42 on eggplant, tomato (Wilbur leg -- ANT det); 19.VI.50 on Lactuca serriola, Sonchus oleraceus (Wilson leg -- ANT det);

n + p = 90) reports this species from the am wase $n = \epsilon$ white locality or deta).

Were sar than total lavis

20.71.29 on Colyman so (salt on 9 287 p. 160).

pentres nehromited racid of multileas lett

IV. I'l os Saphus (Gray les - Diceana dos).

Marros phun creel: pavid

(C. reep Co) 25.VI.23 on wild per (Zethy Permurus)

5 Keel loy -- F W Masor: V M same -- elong 25.VI 23

1... littoralus, 8.V M on Vira so. (mon on trover olyma), a.

1... egotag S E Keel leg -- P M Mason out).

1.VI.26 on Vicia et and 22.V 24 on fora or rear leg -- 2 N lksom dom).

Merrosiphum ederant. Mouleur

22.VI.5: on hollwhock (Amen teg -- (N. de2).

Macrosiphum duphorbios (Thumps) Potato Aphid

" ". IS. 10 on golden ook (Grey -- Dichson det): 19, Vil we un -- AoS dec): 17. IV. AO on terbes accesses -- RDE dek): 19. III. A on Holandum, columbios (Schen) det).

-30 om (farsch leg -- AN. det); 27.111.28 om
r leg -- acc); 22.VI.34 oc metato (r bysetca la
VII.35 c beets in graenhouse (L Benve ma 1827.

Eultp (Gray leg -- ANT ac ; 20.VII.55 a sudueth
g -- ANT act); 20.VV.41 on tulip (Schul lass - BOE 3m)
otato (Greenb ray -- AG2 det); 23.IX.AA m as huest
action act restoral services serviced (Schuh leg -inch fact); 5.V.21 m rectoral services (Wilbur leg -- ANT act);
1.A2 on tulit tonato (Wilbur leg -- ANT act); 18 VI.50
action metato action discussion determinant action act

23.VII.53 on nettle (Keller leg -- Knlt det); 17.II.13 on tulip (Wilson leg & det); 25.VI.50 on tomato (Amen leg -- EOE det); 23.IX.50 on Chenopodium album (Crumb leg -- EOE det); 28.VI.42 on okra (Schuh leg -- AGR det); 5.V.42 on flowering quince (Schuh leg -- AGR det); 12.VI.42 on oyster plant (Schuh leg -- AGR det); 18.VIII.43 on Chenopodium album (Schuh leg -- AGR det); 4 colls 1925, 1926 on rose (Wilbur leg -- ANT det); 14.X.25 on mustard (Wilbur leg -- ANT det); 15.X.25 on potato (Wilbur leg -- ANT det); 9.III.26 on snapdragon (Wilbur leg -- ANT det); 25.III.26 on Iris and candytuft (Wilbur leg -- ANT det); 31.III.26 on honeysuckle, wild rose (Wilbur leg -- ANT det).

- S. Corvallis 12, 16.VII.46 on milkweed (Crumb leg -- EOE det).
- Gresham 20.VI.42 on strawberry all (Schuh leg -- AGR det); 8.VIII.43 on broccoli (Schuh leg -- AGR det); 8.VIII.43 on Amaranthus retroflexus 9.IV.44 on Paul's scarlet thorn; 19.VI.44 on strawberry; 27.VIII.43 on potatoes; 27.II.43 on eggplant; 8.VIII.43 on Sorbus aucuparia; Solanum nigrum, and Chenopodium album; 19.VI.42 on Galia aggregata; 4.VIII.49 on Solanum nigrum (Crumb leg -- ANT det).
- Klamath Falls on wild rose and 19.VIII.46 on potatoes (Crumb leg -LMR det); 23.IX.47 on Prunus demissa and P. subcordata (Crumb leg -AGR det); 15.VIII.47 on potato and pigweed (Crumb leg -- AGR det);
 27.VI.46 on Lactuca serriola (Crumb leg -- EOE det); 28.V.46 on
 Urtica holosericea VII. IX. VIII. 46 on potato, L. serriola,
 Solanum nigrum and mustard (Schuh leg -- EOE det); 1.IX.46 on
 mustard and 19.VIII.46 on potato (Crumb leg -- AGR det);

"In the Willamette Valley we sometimes find Mac. euphorbiae on cult Rubus" (Converse in litt to MDL 29.VIII.72).

Albany 21. IV. 46 on wild rose (Edwards leg -- ANT det).

Banks (Washington Co) 2.XI.33 on strawberry 1 al (? leg -- ANT det).

Independence (Polk Co) 21.VI.34 on hops (Larson leg -- ANT det).

Myrtle Creek (Douglas Co) 13.XI.33 on strawberry (Dimick leg -- ANT det).

Salem 26.IV.41 on tulip (Schuh leg -- EOE det).

Summit (Benton Co) 25.V.41 on Sisymbrium idahoense (Schuh).

Troutdale 30.VII.40 on *Gladiolus sp.* (Schuh leg -- EOE det); 26.VI.42 on tulips (Schuh leg -- AGR det).

Madras (Jefferson Co) 3.VIII.46 on Solanum nigrum (Schuh leg -- AGR det).

c. a mer orwing Sommilia oo de IIV. 65 , 12 a Li

the on eff code and it Villat an out the free in the code in the interpretation of the i

liamette Vailer es someteme tip. essociat em audit (Cook e se in 14st t. 201. 25.5 tll.72

21 IV. 66 on wild over (Bieseds tog -- ANT det)

abfratos Co) 2.XI.33 co attacherty and the ... - ANN do

(Molk Co) lly I M un nops Larson les ANI con

See 4A go. Similar on extraorers, folimits og 45 tes

6. IV. 41 on tully (Schut 1-9 -- E E de

medici. Co) 25. V. Al on Sissing in:

le 30.00 or election and (Scholling -- 516 to 25 that testing the legi- Aug dec);

(Jeff rs. 20) 8:VIII.46 to Scinour Atgener (Schoh og -- 15k det)

Tigard (Washington Co) 26.VI.42 on tulips (Schuh leg -- AGR det).

Six Corners (Washington Co) 6.VIII.43 on Lactuca serriola (Schuh leg -- AGR det).

Culver (Jefferson Co) 10.VII.47 on L. serriola (Every leg -- AGR det); 8.VII.46 on Mentzelia albicaulis (Crumb ? leg -- ANT det).

Algoma 17.VI.17 on potato (AGR det).

Redmond 7. VIII.47 on potato (Crumb leg -- AGR det).

Powell Butte 9.VII.47 on potato (Crumb leg -- AGR det).

Deschutes R. 8. VII. 47 on Nicotiana quadrivalvis (Crumb leg -- AGR det).

Deschutes R near Redmond 29.V.45 on Urtica holosericea (Schuh -- EOE).

Tidewater 24.VI.44 on cult strawberry (Schuh leg -- AGR det).

Alsea 4.VI.41 on Hypochaeris radicata (Schuh leg -- EOE det).

Yachats 4.VI.41 on Hieracium albiflorum (as above).

Heceta Head 4.VI.41 on Sonchus asper 1 al (as above).

Waldport 4.VI.41 on Comarum palustre (as above).

Ochoco Ranger Station 20.V.41 on Taraxacum officinale (as above).

Gold Beach 26.VI.34 on potato (? leg -- ANT det).

Lebanon 22.IV.36 on wild rose (Edwards leg -- ANT det).

Goble 25.IX.35, 13.VIII.36 on potato (Schuh & Gray leg -- ANT det).

Barlow 2, 3.XI.33 on strawberry (Gray leg -- ANT det).

Cascade Locks 11.VIII.43 on Epilobium angustifolium (Schuh leg --EAR det).

Redmond 28.VIII.46 on potato (Crumb leg -- AGR det); 3.X.50 on peach (Crumb leg -- AGR det); 12.VIII.47 on Solanum nigrum (Crumb leg -- LMR det); 29.VIII.46 on annual nightshade (Crumb leg -- EOE det).

Parkdale 13.VIII.43 on Osmorhiza chiliensis, Scrophularia lanceolata, Hieracium albiflorum and Anaphalis margaritacea (all Schuh leg -- AGR det).

Philomath 29.III.26 on wild rose (Wilbur leg -- ANT det).

a det 19.VIII.A6 ou common nichterade (vruch 195)

e vil .43 ou Cemprhise shill-heis Scronhitaria

e vil .11 .43 ou Cemprhise shill-heis Scronhitaria

e vil . 11 .43 ou cemprhise shipping server (e)

. . ich: (Til -- gal mailes) som bi

of Kings

McMinnville 14.IV.46 on rhubarb (Wilbur leg -- ANT det).

Hillsboro 10.IX.36 on Capsella bursa-pastoris (?Wilbur leg -- ANT det).

Bandon 22.VI.39 ?plant (Knlt in M S 387 p.10).

Merrill 15.VIII.47 on Amaranthus retroflexus (Crumb leg -- LMR det).

Eugene 2.VI.51 on cult beans (Amen leg -- EOE det).

Yachats 4.VI.41 on Hieracium albiflorum (Schuh leg -- EOE det).

Cascadia, 15 mi E of, 3000 ft 24.V.47 on Asclepias sp. (Crumb leg -- LMR det).

Hermiston 3.X.51 on squash (H H Crowell leg -- EOE det).

Willamette, Tombstone Prairie 4200 ft. elev on Brassica campestris (Crumb leg -- EOE det).

Gresham 18. VII. 50 on cucumber (Crumb leg -- EOE det).

Along Deschutes River (Deschutes Co) 8.VII.47 on *Nicotiana sp.* (Crumb leg -- EOE det).

Talent 3.VI.59 and 2.V.61 on young leaves and shoots of Anjou pear (Gentner leg -- LMR det); 5.V.54 and 2.V.58 on Valeriana sp.

Barlow 3.IX.33 on cult strawberry 1 ovip 1 al vivip (ANT det).

Corvallis 23.IX.50 on Anthemis cotula (Crumb leg -- EOE det).

Medford 14.X.30 on mustard (Wilbur leg -- ANT det); 11.V.48 on Comice
 pear leaves (Gentner leg -- EOE det).

Deschutes River near Redmond 29.V.41 on Urtica holosericea (Schuh leg -- EOE det).

Tidewater 24.VI.44 on cult strawberry (Schuh leg -- AGR det).

Macrosiphum (Sitobium) fragariae (Walker)

Peavine Ridge near McMinnville 9.IX.46 "sweeping" (Fender leg -- AGR det).

Macrosiphum frigidae Oestlund

"Throughout eastern Oregon on Artemisia tridentata in company with Aphis frigidae Oestlund" (Wilson 1915 p.95).

THE LOST COSSULT HE DESTE

-samue Atorgeo Fo is IT is

"11 39 29 and What in 3:337 1973

TILLA! OF SMATSOCOUS FORTCHANN THIS low

v .51 on cult beens finen leg wir dark

we so a go onor weighted to rear 10 no 12.17.

15 to E of, 1000 to 26.9.4) in Asstantos ago. and

e.2.51 on squash (2 a Score ee . Dra

... Tomberone Presente ...

LE 50 ca encyptier (Cent) for the gan.

e. tok to ment a menen gover en In.V.S box 42. ".

See 52 V.C plack DU -- gol 4

Inh TWAL truth to take I conducted that on E. . .

s 22 LX 50 on tuberic dotels (Count too -- 10) Awa

Later Contract (Ulbur leg - AUT det . 17.7.4% or teaves (Central leg -- 108 day)

A Minus ages Pedmond 29.V 41 on Detica Actions on thomas det).

ter FOA -- pel Number Commission Law to Al. IV-

Medrosupher (Sitobas) Granssies (Meiker,

d o near McMicaville J. IX.44 "sweeping" (Penda)a 1670 cmi).

Matton Chin E. Sidas Dephined

on Artemisis contention in arrangemental

Macrosiphum gentneri Mason

Talent 3.VI.46 and 13.XI.46 on Anjou pear leaves (Gentner leg -- Knlt det).

Medford 17.IV.48 on pear leaves 1 slide (Gentner leg -- EOE det).

"Abundant and injurious throughout whole Rogue River Valley".

Macrosiphum harpagorubus Knowlton

Corvallis, OSU Campus May 1953 on raspberry (Knlt leg & det).

Macrosiphum kiowanepus (Hottes)

Corvallis 16.V.41 on Zigadenus venosus (Schuh leg -- EOE).

Macrosiphum mentzeliae Wilson

Macrosiphum mertensiae Gillette & Palmer

Parkdale 13. VIII. 43 on Mertensia sp. (Schuh leg -- CFS det).

Macrosiphum osmaroniae (Wilson)

Philomath 29.III.26 on Osmaronia cerasiformis, osoberry or Indian plum

(Wilbur leg -- ANT det). This appears to be only the second record of the occurrence of this aphid. It was described by Wilson (1912:153-155) in Illinoia. Some of his notes follow:

"This large aphis is found on the leaves of Osmaronia cerasiformis and is quite abundant about Corvallis. Stem-Mothers -- On March 18, 1911 with newlyborn young were plentiful in the first opening buds of the host plant. Spring Migrants -- April 25 found abundantly on underside of leaves; numerous young present.

Fall Migrants -- Oct. 11 winged migrants not very common and producing young on leaves of Osmaronia about Corvallis.

Oviparous female -- brief description only. Alate Male -- on underside of leaves Nov 3rd, 1911."

Two Cotype slides are in the U S N M.

soul know, now some : gertlant &

and line of the holes peop language that we be a first

The New York of the Comment of the New York of

MECCOS, there is a propertional a per-

Campus Ma. 1953 on rasuply: (Engl -, w

feedsoff stormed in municipality

15. V. Al on Bigadenes verson: (Schuh tea - 70%).

mentabilit upi emil u . soi

L. I. A. on epicideal (Sobble to 1000 dec); J. Will. n. d. elbicacide (Crowlo tog - 113 asc. ... ended to each age and age and the latest adjusted to a tactor. The tactor of the contactor. The contactor of the contactor. The contactor of the contactor. The contactor of the contactor.

Married H. 1910 C. J. 1919 K. Palmer

10.Vill.65 on Mercensia og. is inh ray - CPS am

tooms to be a common and the committee

70.111.16 — demicrosa constitions., ordants. it indica plan librateg -- ANT det). This eppears to be outh the se end content the communication that applies to the described by (Egiletia-153) in Illinoia. Since of his nodes cullent

This large abuts is lound on the leaves of Usharonia con . 20:

b 18, 1911 with escapoon young were plantful the 30cer

dendrate y on underside of Leaves, augustone roung remainded of the course of the state of the s

adments; num on of descents about torver the ligarous female -- wind description only. Alate 2 -- 01 description of the contraction of leaves low 3rd, 1911."

Macrosiphum pallidum (Oestlund)
Mac. pseudorosae (Patch) is a synonym

Clatskanie 3.IX.36 on Impatiens ecakarata (Schuh leg -- ANT det).

Portland 19.V.20 on asparagus (? leg -- ANT det).

McMinnville 23.V.39 casual (Knlt det).

? Macrosiphum potentillae (Oestlund)

Klamath Falls 25.VI.46 on *Potentilla sp.* (Schuh leg -- EOE det with query).

Macrosiphum pseudorosae Patch see Mac. pallidum

Macrosiphum pteridis Wilson

"Very common on fronds of *Pteris aquilina* throughout Western Oregon." (Wilson 1915 p.101).

Gresham 22.V.42 on Pteris aquilina (Schuh leg -- AGR det).

Peavine Ridge near McMinnville 13.XI.46 "sweeping Polystichum" (Fender leg -- AGR det with query).

Macrosiphum (Sitobium) rhamni (Clarke)

Portland 9.V.41 on Rhamnus purshiana (Schuh leg -- EOE det).

Corvallis 23.III. and 3.XI.11 ?plant (Wilson 1912: 156-159); 15.V.41 and 13.VIII.42 on *R. purshiana* (Schuh leg -- EOE, AGR det).

Lobster Valley 17.VII.41, Gresham 28.V.42, Tidewater 31.V.44 on stems and fruits of R. purshiana (Schuh leg -- EOE & AGR det).

"This species is very abundant about Corvallis on Rhamnus purschiana. The entire development is apparently passed on this plant as they were present throughout the year." (Wilson in Can Ent 44:156, 1912).

Macrosiphum rhodendri Wilson

"Along Oregon coast on Rhododendron californicum (macrophyllum")
(Wilson 1918:230-231).

(Statement and an enter process of the country south;

3. 1% 16 ou Impaliaga coaktigtu (when 10

19. V. 20 on aspersyne (2 leg . AVY

23. V. 39 caqual (halk det

ב אאניינים הלייות בין היילת נצטיינים ב

Bils 75.71.46 or Poksovilia co.

- 1

Macrott chara probater and the ch

AN DEPOSIT DOES 14:

not on Front of Chorus (public Chromatons Warren veneral)

tres to a gen forther smalleren eined as to.V.D

age not McMaravilla 11.XI so "esq .ag 2.1: ns

Macacostria a fatechina) omos 1613 ta

in -- to the section of section to the form

Deline and invited on a. server inches and in deline

ley 17. VII.41, Crosnum 28. V Al. (devotor 8..V.A on changers of R. murahlana (Schwin les - ROS & AGE 801).

of species is very shandone shout Cityallis on Phannun parties. be entite cyclopment to appure the master on this short or reserve present throughout the year. (V. lend in the the 181155, 1915)

La 3 area con consequences and all all and all and all and all and all and all

Newport 15.VI.18 on R. californicum (Wilson leg & det).

Macrosiphum rosae (Linnaeus) Rose Aphid

Portland 1.X.70, 27.VII.68 on rose (Gray -- leg -- Dickson det).

Gresham 18.VI.42 on cult rose (Schuh leg -- AGR det); 12.V.42 on rose
 (Schuh leg -- AGR det).

Corvallis 30.XI.36 on cult rose (Schuh leg -- ANT det); 16.VI.38 on rose (Hsiao leg -- ANT det): 6.VIII.36 on wild rose (Edwards leg -- ANT det); 17.X.11 on rose (ANT det); 15.VI.34 on Rosa eleganteria (Wilbur leg -- ANT det); 1.VIII.36 on rose (Weaver leg -- ANT det); 15.IV.41 on cult rose (Schuh leg -- EOE det); 1925 and 1925, 4 colls on rose (Wilbur leg -- ANT det); 17.VI.50 on cult rose (Amen leg -- Crumb det); 10.VI.42 on Centranthus ruber (Schuh leg -- AGR det); 31.IV.39. 10.XI.46, (one male) on rose and 15.VI.34 on Rosa rubiginosa (ANT det) -- all Crumb leg -- EOE det); VII.68 and 3.VIII.43 on Dipsacus fullonum and D. sylvestris (Schuh & Gray leg -- AGR det).

McMinnville 23.V.39 on rose (Knlt leg & det).

Portland 19.VI.39 on rose (Knlt in M S 389 p.19); 25.IV.40 on cult rose (Schuh leg -- AGR det).

Myrtle Creek 13.IX.33 on strawberry (Dimick leg -- ANT det).

Forest Grove 24.IV.36 on rose (Gray leg -- ANT det).

Sisters 9 mi W of 29.V.41 on wild rose (Schuh leg -- EOE det).

Klamath Falls 28.VI.49 on cult roses (Crumb leg -- EOE det).

Medford 4.VIII.53 on rose (Gentner leg -- EOE det).

Talent 4.VI.57 on Dipsacus sylvestris (Gentner leg -- EOE det).

Macrosiphum rubiellum (Theobald)

Boring 1.XI.33 on cult strawberry (?leg -- ANT det).

Alsea, 15 mi W of, 4.VI.41 on Rubus laciniata (Schuh leg -- EOE det).

of a gain meller regiment for an ang to all IT &

gell) press testy (soloss) block cost

1 1. R. 70, 27. 717. 58 1 10.91

18 VI.42 on oult tose (Schulu son 10m lm.) h leg -- 400 ls.).

Tose (Milbur leg - Aut dec): L.V')). 'o -- rr e .

Tose (Milbur leg - Aut det) 17.V1.3t1 .

-- Grumb dot): 18.V1 A

et); 31.IV.39, 10.XI.41 rubigings (NN 3st) - all tru 3.VIII.45 on Firsacur fullanus leg - AlW dut).

LL C 23.V.Jb on rose (Mol) 1: g , deal

t 9.V:.33 on rose (Mole in a Cartellant) leg -- AGR dec)

Treek 13.72 33 on strackery (Dinfor et.

Grove 24.17.36 on cole (Gray reg 1911 2-

9 mil b of 29 v.si on wild rose (School ne

the 18.71.43 or cold rosses (C) ag in

() -- gal teninal) esco o Calliv. I

A.VI.J7 to Eigeseng sylverties (Rentwer

(bladaph) multorder mula reseases

L.KL.33 on cult stronbersy (21cg -- ANT dat,

1 and Word, A. Vi. Al. on Bulbus laulations (South lo.

Macrosiphum scoliopi Essig (May be same as Myzus lilii Mason) Western Lily Aphid

Mason described M. lilii in USDA Misc. Pub. No. 371:12-13, 1940
Philip Brierley leg on Lilium candidum, Salem, Oreg. Slides
in U S N M bear date 27, 28 July 1927.

Medford 20.IX.51 on Formosanum 1ily and 30.VI.52 on wild 1ily, Lilium sp. (Gentner leg -- EOE det).

Olallie Lake 5.VIII.41 on Rhododendron albiflorum (Schuh leg -- EOE det).

Harbor 26.IX.51 on Croft lily (C G Anderson leg -- LMR, AGR det).

Calmettes, Hood River 4.X.51 on Easter lilies (?leg -- det).

Macrosiphum stanleyi Wilson

Brownsmeed 25.IV.36 on elderberry (Gray leg -- ANT det with query).

Parkdale, S of, 13. VIII. 42 on Sambucus racemosa (Schuh leg -- AGR det).

Macrosiphum tulipae (Monell)

Corvallis 6 & 17.II.13 on tulip stems in greenhouse (Wilson leg & det).

Macrosiphum zerozalphum Knowlton

Heppner, 4 mi W of ?date (Hammond & Davis leg -- Knlt det).

Athena 17.VI.37 on Erodium cicutarium (Knlt in M S 387 P. 20).

Masonaphis ?subspecies crystaleae bartholomewi

Waldport 26.VI.42 on Lonicera involucrata (Schuh leg -- AGR det).

Gresham 4.V.42 on L. involucrata (Schuh leg -- AGR det).

Parkdale 13. VIII. 43 on Lonicera sp. (Schuh leg -- AGR det).

Masonaphis (Oestlundia) davidsoni (Mason)

Gresham 6.VIII.43 on Rubus parviflorus (Schuh leg -- AGR det).

Marris 11 olden mendic 14 Jeolg Slay hi case na Mich iziti deanni Slay hi case na Michigan

W. Jil. 'An WSW Mart Pun No. 37; 12-33 (aan see Strain) Press. ... Na. 13 N M acar day 27 27 28 3 N v 190.

FD.18 51 on Formeauch 11: and iO.VI.52 on wild tils mater Lag - FO: detj

5.VIII.Al on Madedend. On the Turn (Schuh en e- 200

. LR. S1 as Craft 141; (C v Anderson .eg ...

e, Rood River A.K.51 on Baster 11 to. (21eg -- 1e

Macrosighum canleys Wilson

25. IV. 3d on elderher y luchy leg 117 cm with

Sef, 13 VIVI. on Same is sectors IS h . . Wed day

(LisaroM) sequision manipulationes

6 & 17.17.12 on tulip scene in creenberg (Wildon ag deti

rus krani mung lakumas mang kamoné

A mi W of Page Pharmond & Da is lag - . Roll dot)

T.VI 37 on Proofee eleutrese (Knit .a M S 3M) P. 'W

golofithed asple::War or paorenet abdocapanti

tish ADA -- gai duduk) aismoideat i toninediam SALIV.

4. V. 42 on L. involuence (Schulleg -- 108 dec)

... VIII.A3 on Louise a sp. (Schuh leg -- 44 urll.

Maconachta Coestlunder) devised. (Maca)

6.VIII.63 on Robus es (Schult leg -- ATE doc).

Masonaphis lambersi MacGillivray

Portland 31.V.67 ?plant (Gray leg -- HRL det).

Masonaphis (Masonaphis) rhododendri (Wilson)

Rhododendron, 4 mi E of, 2.VII.42 (Schuh leg -- AGR det) on Rhododendron californicum.

Masonaphis richardsi MacGillivray

Parkdale 13. VIII. 43 on Anaphalis margaritacea (Schuh leg -- AGR det).

Gresham 23.V.42 on tips of above plant (Schuh leg -- AGR det).

Masonaphis simpsoni MacGillivray

Parkdale 13.VIII.43 on Linnaea borealis americana (Schuh leg -- AGR det).

Masonaphis (Ericobium) spiraeae MacGillivray

Klamath Falls 31.VI.46 on Spiraea sp. (Schuh leg -- AGR det).

Masonaphis spiraeae MacGillivray

Deschutes R. 8.VII.47 on Spiraea douglasii (Crumb leg -- AGR det).

Klamath Falls 21.VI.46 on Spiraea sp. (Schuh leg -- AGR det).

Melanocallis pulchellus see Tinocallis platani

Metapolophium dirhodum (Walker)
Rose Grass Aphid

"Eastern Oregon Counties 1967 on winter wheat (Rept by Every -- LMR det).

Freewater 27.V.53 on Jerusalem cherry ?accidental (Palmer det via KNLT).

Salem 10.VII.57 on oats (Larson Rept -- Knlt det).

Rickreal 12.VII.57 on barley and Fruitland 10.VII.57 on wheat (Larson leg -- Knlt in M S 171 p. 10).

. George Commission of the contract of the con

u, 4 of E cf. 2,VII.42 mg ... when and other and the other control of the control

Paper integerous allectores

WHEN INCORNA to BY HIV.

13. V 62 on tage of sures plant (Second 1s. x

, inc. Impor - subject mess

Masonaghts (Bitoik my rozmam | 1 hn 11s 31.71.56 on Shither sp. (hmm s

Masomanin collabora n

O R. B.VII.A7 on Spirage douglass (Lumb In. 8 21.VI.45 on Spirage sp. 100) 's co:

The Melancatter purchaster

Moteralogue Without (Nalset)

Scantines 1957 in white where Secretary Processor of Paints not the Stanton on the Stanton of the Secretary Processor of the Secretary Secretary Processor of the Secretary Secr

Klamath Falls 13.X.48 on cult rose (Crumb leg -- EOE det).

Corvallis 2.II.55, 1 al reared on barley (? leg -- EOE det).

Microlophium carnosum (Buckton)

Algoma 28.V.47 on Urtica holoseriea (Schuh leg -- AGR det).

Microsiphum acophorum Smith & Knowlton

98 mi E of Burns 20.VIII.45 on Artemisia tridentata (J E Davis leg -Knlt det).

Microsiphum adianti (Oestlund)

Portland 30.III.53 on *Polystichum munitum* "heavy infestation blackened fronds -- all apterae." (John S. Wieman Rept -- Knlt det).

Microsiphum artemisiae (Gillette)

Oregon -- May -- June "throughout Oregon where Artemisia tridentata grows." (Wilson 1915 p. 97).

"Collected on Artemisia tridentata at Salisbury, Oregon July 26, 1914."
(Wilson 1915 p. 90).

Salisbury (Wilson 1916 pp. 90-91).

Gray's Peak -- (Wilson 1915 p. 79).

Microsiphum canadensis (Williams)

Concerning this species Wilson (1915:90) says -- "Except for a difference in color there is practically no difference between this species and M. (Chaitophorus) artemisiae Gillette. M. oregonensis differs from the latter in the specialized setae so that there is a possibility that these species may be only different forms of the same species."

Wilson gives a detailed description of the apterous viviparous female and of the alate viviparous female.

Microsiphum oregonensis Wilson

Salisbury 26.VII.24 on Artemisia tridentata (Wilson 1915:91).

shifts - gad decree coop real or the Half it.

Marc column carangum Harde as

T. 17 on Press - (classical (Article for - VI am

Miles chia eropeants with a temil

Burns 20.VIII -5 on Acresta --) in contact 13 - bords leg det).

(familiant) lines on many (venture)

30 III. II on folustichum montro "heavy mžost la nietrenau unds -- al appersa " (John S. Wiest Pert am b

siffill as a month and learning

on Arconcara caldendria on Salinbury over. . . 19:

· (LE-QC .qq alek gas lik) ·

ak -- (Wilson 1915 p. 79).

Miggaething depoletions.: [21] one;

*hts esemies Wilson (191, 195) says -- "Zosout let all arem color there is prestedly no difference between this epicies #. Total color the color of the color of

gives a detailed descript on of the spranous vivinorm walls.

"Found on Artemisia tridentata at Salisbury, Oregon 26.VIII.14" (Wilson 1915:91).

Mindarus abietinus Koch Balsam Twig Aphid

Corvallis 8.VI.37 on Pseudotsuga taxifolia (Vertrees leg -- ANT det).

Klamath Falls above Geary Ranch ? date (Schuh leg -- EOE det).

Monelliopsis caryae (Monell) American Walnut Aphid

Hood River 11. VIII. 43 on Juglans nigra 8 alatae (Schuh leg -- ANT det).

Milton-Freewater 11.IX.46 on J. nigra (Hans Nicolaison leg -- Knlt det).

Monelliopsis nigropunctata (Granovsky)

Corvallis 11.VII.38 on walnut (Hsiao leg -- Boudreaux det).

Myzocallis alni (DeGeer)

Yachats 21.VII.35 on Alnus rubra (EOE coll -- ANT det).

Coquille 5.VI.41 on Alnus rubra (Schuh leg -- EOE det).

Marshfield 9.VIII.41 casual on Potentilla anserina (Schuh leg -- EOE det).

Myzocallis annulata (Hartig)

Gresham 30.VIII.45 on potato casual (Schuh leg -- EOE det).

Myzocallis californica Baker

Talent 26.VII.55 on Quercus californica (Gentner leg -- EOE det).

Caves Junction, 10 mi S of, on Quercus garryana 6.VI.41 (Schuh leg -EOE det).

Butte Falls 7.VI.41 on Q. garryana (Schuh leg -- EOE det).

Myzocallis coryli (Goetze) Filbert Aphid A. THE SALE READ OF ALL ROLL DID. .

Minder var edite var tot

19.VL.37 on Paculationes carriers.

Poses april car Walter e

where S earn analyst no feelisvill m

THE MEAN COURT CONTRACTOR OF SECTIVAL

e. A g. Will. At casear! on Eccepts 124 col

Musucalle annutate Murtin

35.Vil.53 on Querous saliforning (Negtwer lan Junction, 10 m: S of, on guerous garryana a.v. El E det).

y .E Audo?) sacquasp .O mo 14.IV

Wiscon, the count (Grahm)

Corvallis 13.V.36 on filbert (Mote leg) 18.VI.36 on filbert (Hsiao leg -- ANT, Boudreaux det).

Lebanon 27.V.37 on filbert (Edwards leg -- ANT det).

Albany 26.V.41 on Corylus californica (Schuh leg -- EOE det).

Hood River 4.VIII.41 on C. californica (Schuh leg -- EOE det).

Grant's Pass 7.VI.41 on C. californica (Schuh leg -- EOE det).

Portland 25.V.68 on filbert (Gray leg -- Dickson det).

Eugene 25.VI.46 on filbert (Crumb leg -- EOE det).

Applegate 1.X.52 on C. californica (Gentner leg -- EOE det).

Talent 15.VI.53 on C. californica (Gentner leg -- EOE det).

"Heavy on most Willamette Valley filbert orchards due to cold weather.

Ranged 10 - 100 plus per leaf; all stages present. Predators

averaged 1 per 4 leaves. Lower leaves very sticky due to aphid

secretions and attracting many yellowjackets." (Larson)."

CEIR 2(25):433, 18 June 1971).

"Appearing in filbert orchards in Willamette Valley (Jones). Light populations in western Marion County (Penrose)." CEIR 22(17):243, April 28, 1972).

Myzocallis discolor (Monell) Eastern Dusky-winged Oak Aphid

Hood River 15.V.51 on oak (V. Olney leg -- EOE det).

Corvallis 15.V.51 on oak (Amen leg -- EOE det).

Myzocallis elegans (Koch)

Corvallis 28.IV.41 and 24.V.41 on Ulmus americana (Schuh leg -- EOE det).

Myzocallis pasaniae Davidson

Gold Beach, 19 mi S of 6.VI.41 on Lithocarpus densiflorus (Schuh leg -- EOE det).

Myzocallis walshii (Monell)

Portland 9.IX.70 on golden oak (Gray leg -- Dickson det).

1 13.5036 p 64 2000 (2000 leg) 7 1 2

A car Abrancis to odly on TE.V. S

S.V.A. Corpli willfarmica (Subm las

St addition of the Chilled

ses 7. W.A. on c. collifornica (Security

V.58 or filbert forcy leg - By

5.71.66 oa Eilbere (Crumb lee E: 1 20:

1.4 52 on C. californica Genunar to -

15 Vi.5: on W exitfurnica (General

most Willarsite Wellev films.

snger 10 - 100 plus per leaf: at vroas

raged 1 per 4 leaves. Live leave:

rations and attraction new seria

2(25):033, 18 june 1971

in filber: or.hard: in G tions to western Marian County (200 28, 1972).

Museconi . Alberton Dion

15.V.51 on cab (V. L.nev leg -- :03 na 15 V.51 on cab (when leg -- :3) er:

dyaccollas el gan (Kach)

In 28. IV. 41 and 24. V. 41 on closes and a sound to buil.

marbital serser allatory

. 19 mi S of G.VI-61 on adaptourped constitutions.

Avaccaliko caleh (Monett)

E. 70 on golden ____ Say leg -- Moreans dee).

Corvallis 14.VII.72 on Quercus kelloggii (Steyskal leg -- AGR det).

Myzus n. sp.

Hayden Island 21.X.44 on Sambucus sp. (Mason det in Survey in Vicinity of Ports of Entry 1944 - 1945).

Myzus cerasi (Fabricius) Black Cherry Aphid

- Troutdale 8.VI.68 on cherry (Gray leg -- Dickson det); 19.VII.71 on cherry (Gray let -- Swenson det).
- Corvallis 5.V.25 on cherry (Wilbur leg -- ANT det); 31.IV.26 on cherry (Wilbur leg -- ANT det); 1.III.26 and 25.VII.38 on cherry (Hsiao leg -- ANT det); 26.VIII.12 on cherry (H E Ewing leg -- and det); 3.IV.14 stem mothers on cherry (Hewing leg & det).
- Cornelius 24.V.36 on cherry (? leg -- ANT det).
- Portland 22.V.40 on Mt Morency cherry and Kwanzan cherry (Schuh leg -- EOE det).
- Parkdale 4. VIII. 41 on Prunus emarginata (Schuh leg -- EOE det).
- Sisters 29, V.41 on P. emarginata (Schuh leg -- EOE det).
- Hubbard 12.VI.37 on cult cherry (Vertrees leg -- ANT det).
- Gresham 7.VII.49 on P. emarginata (Crumb leg -- EOE det); 21.IX.49 on P. emarginata, male (Crumb & Amen leg -- Crumb det).
- Junction City 3.VI.50 on cult cherry (Crowell leg -- Crumb det).
- Salem 21.VI.46 on cherry (Crumb leg -- AGR det).
- Medford 26.IV.30 cherry trees at Station infested (Gentner).

Myzus langei Essig

- Corvallis 28.XII.50 on watercress, 1 slide (V D Roth leg -- EOE det).
- Medford 28.I.58 distorting young Fuchsia and Cyclamen leaves in greenhouse (Gentner leg -- EOE det).

प्राप्ताति कु हिएलाला स्वाप्तातिकः, ए (दिस्तातिकः

Magaza ..

21. 2.44 on Sprawmer a (2015).

Musus cerasa mahan Slack Cher Anbid

3 & VI.66 on oberey (Gray Los - H

* 5.V 25 on chest, y (William ters - AN Wilt leg -- ANV. let); Lilliams and co leg -- ANV det): Mo.Vii(ill n d det); 3.1V.1A ston mothers on tem:

e III. - pel I) varena na di V. Il a

[22.7.40 in Mt Parency cheer and [dat),

A VIXI al on currer enorgized

9 V.61 on P. granyicoto Bench lea

12 V2.37 on sule cherry (Vertreen :

7.VII.49 on P. compairs (Grus 183 ginera, made (Grusb & Sarn

Ct y 3. VL. 50 on cult herry (Crimeli

As on cherry (Crumb leg -- ACP

. IV.30 electry trace OF Station Sites

Mucus Lanuel Caste

Ti.50 on testempes, 1 sites

A. T. S. dietoring young suchs in Co. generals on the contract leg -- 200 det).

-75-

Myzus lythri (Schrank)

Maplewood, Wilson's Greenhouse 24.II.53 on snapdragon (Palmer det via Knlt).

Talent 29.IX.55 on Prunus mahaleb (Gentner leg -- EOE det).

Myzus ornatus Laing Ornate Aphid

Yachats 4.VI.41 on tips of Erechtites prenanthoides (Schuh leg -- EOE det).

Corvallis 20.III.50 on Coleus sp. (Amen leg -- EOE det); 5.VI.50 on
 pansy (Crumb leg -- EOE det).

Portland 10.V.41 on Ilex sp. (?leg -- EOE det).

Medford 14.VI.53 on Asparagus sprengeri in house (Gentner leg -- EOE det).

Myzus persicae (Sulzer) Green Peach Aphid

All statements in quotations, unless otherwise designated, are taken from the Scientific Records System, ARS, USDA.

Scappoose 25.IX.49 on Brassica campestris (Crumb leg -- EOE det).

The Dalles 3.V.51 on peach (F Ellertson leg -- EOE det).

Eugene 7.VI.51 on beans (Amen leg -- EOE det).

Salem 20.I.71 on thistle in greenhouse (Knlt det).

Seaside 23.IV.36 on pansy, narcissus, marigold (Gray leg -- ANT det).

Corvallis 4.V.36 on Easter lily (Gray leg -- ANT det); 9.VII.36 on beets in greenhouse (L Weaver leg -- ANT det); May 1935 on prune (Larson leg -- ANT det); 17.VI.48 on radish (Crumb leg -- EOE det); 13.XI.24 on cineraria (T B leg -- EOE det); 10.IX.49 on Zinnia sp. (Amen leg -- EOE det); 12.IV.26 on ground cherry (Mote leg -- ANT det); 16.I.47 on Croft lily in greenhouse (Crumb leg & det); 22.IX.50 on Amaranthus retroflexus (Crumb leg -- EOE det); 5.VI.50 on pansy (Amen leg -- EOE det).

Klamath Falls 21.VIII.46 on potato (Crumb leg -- EOE det); 5.X.50 on peach (Crumb leg -- EOE det); 3.VIII.46 on potato and mustard (Schuh leg -- EOE det); 5, 18, 30.VIII.46 on potato (Schuh leg -- EOE det); 2.IX.46 on Solanum dulcamara (Schuh leg -- EOE det).

i g Prant i ribble ensure

ret words or december to think advedoeses a position

Lacks Catoria to Et . .

money printages in a second-state of the or the tall

1.20 Character and the second of 1.20 Character -1.00 then the second -1.00

O.V.A. on I do no. I top on a ne.

con the constituent on the property and the Co. IV.

on the second second

d da nuot v 23, un sas oumers) a mesa, em su, a.a unser local b Schantis : second o oracles

25. (2.49 (a. 11% छेलब ट्राम्पूट एक १६ वर्ष) (त.

5.V.Si on peace (4 Ellerroom sy -- 200 rea).

N.VI 51 on beens (Aron teg -- R. nett.

I la un bhistae da greemboust (Kalt det).

. (156 TVA _ . (22) blooting , need ten , well on 35.V JE

a A.Vi36 - Pager lily (Cru) icg - Mi dar); P.VII. T ca - In the greenbourse in Menuer ing -- MiT dec); May 1975 - pruns Mass . Leg -- ANT darb; 17.VI.AG or redisk (Crub Lag -- HUE der); 5.31 ls on characta (T B Les -- Sud Hel); 10 1.39 on Flant; H Leg -- MUE dec); 17.VI.AG on whend electry (House Les - AN 1.5.7 on Amazembus rebrus - Low (Crub) Leg - ETE det); (1.50 on Amazembus rebrus - Low (Crub) Leg - ETE det);

- Goble 25.VIII.36 on potatoes (Schuh & Gray leg -- ANT det); 3.IX.36 on pigwood (? leg -- ANT det).
- Medford 15.VII.49 on Amaranthus retroflexus (Crumb leg -- EOD det);
 12.II.54 on tips of Asparagus sprengeri indoors (Gentner leg -EOE det); 25.IV.56 in flowerhead of Brodiaea pulchella and on
 young pear shoots (Gentner leg -- EOE det); and 15.VI.60 on pear
 shoots (Gentner leg -- LMR det).
- Talent 12.VII.54 on Malva rotundifolia (Gentner leg -- EOE det);
 6.XI.52 in numbers on peach leaves (Gentner leg -- EOE det):
 1.X.56 on wild nightshade, Solanum sp. (Gentner leg -- EOE det);
 3.VI.59 on young pear shoots (Gentner leg -- EOE det);
 19.IV.61 on Rubus procera and shoots of Anjou pear (Gentner leg -- LMR det).
- Central Point 29.V.56 tips of sugarbeet seedheads (Gentner -- EOE).
- Table Rock 2.VIII.56 abundant on *Convolvulus arvensis* growing under pear trees (Gentner leg -- EOE det).
- Ashland 8.VII.59 on pear shoots (Gentner leg -- LMR det).
- Freewater 6.V.12 on peach (H S Denison leg -- ANT det).
- Albany 18. VII. 36 on cabbage (V Mullen leg -- ANT det).
- Portland 16.I.41 on Solanum pseudocapsicum ? indoors (Schuh leg -- EOE det); 12.V.37 on Dianthus caryophyllus outdoors (Doucette leg -- Mason det).
- Troutdale 1.IV.41 on Camelia sp. (Schuh leg -- EOE det).
- Gresham 22.VII.11. VII 18.VIII. and 9.IX46 on potato (Schuh leg -- EOE
 det); 5.VII.49 on Brassica campestris (Crumb leg -- EOE det);
 4.VIII.49 on Raphanus sativa and 26.X.49 (Crumb leg -- EOE det).
- Corbett 11.VII.46 and 10.VIII.46 on potato (Schuh leg -- EOE det).
- Ashland 27.IX.39 on Malva parviflora, mustard and peach (L D Christensen et al leg -- Mason det).
 - "Reported by Mr. Wilbur to be later than usual this year. First noticed on prunes in Umatilla County on May 2 and none found as yet on peach." (Don E. Mote 11 May 1928)

[&]quot;Present in above normal numbers in Klamath, Willamette Valley

7772.30 cm preserve (802-4) & Rent to a -- ATT use 1; 1.14 to an

L. (9 of Andrending Mervellers (Lingh tog this est on Tipe 60 Active and Active Active

VII.56 on Yours rotumlifulla (September 19 - 1974 men);
1.52 KB edmoders in peach beausy (Namente 1855 1951 tot)
2.56 on wild origin and S. Soranus so. thems. ... admits.
V. 59 ch years past chartes (Centing) 1855 1 damits.
... 61 on stabus process and shoots of those 10s.
... 61 on stabus process and shoots of those 10s.
... 62 on stabus process and shoots of those 10s.

The Tennes Toes these readings to equi st. V. 25

A.VIII.56 abundan . . . cosvolunius erransus gros. g under creas (Centuer log . 201 let)

8. Fill. 59 on pear shoots western les - 157 det)

6. V 22 on peach (N : Nortson tex -- Act det)

Will be on tubbagg IV ball on log / ANT doth.

8 16.1.41 on Bolesum proudbrapsidum I indust. Sobe pay deb); 11 .31 on Dimerbus caructurit s outdoors thousesto los der).

1.: V Al on Canadas sp. (Schub rej - FOb nec).

22.VII.11. 913 18.VIII. and 9.1446 on ortice (Schib leg -- FOE h), 5.V.1.49 on Bonssich eberstels (Scumb leg -- 105 man): JELLAS on Rephones ser en and 26.K.AS (Granb leg -- 107 ms

(2st 203 - se deda8) obotog on BoiltV.Ol one 86 1V.Al

.. For an pasent (through reg -- this art); 1.V...67 on property through the current through the state of the current through the state of the state

où Malus gapta fora, mustard aut reach (b. C Uhrjatoosea - Hason dec).

to MR Later throwald this year little of the Mark Level to (Sent M. Mort of Mark 1928)

ems Grombers to Theans, Williametta Valley

and the Ontario area and caused some localized damage to potatoes including complete defoliation in Malheur County." (V D Roth in Summary of Insect Conditions during 1954).

"Appeared late but built up damage in populations in the Klamath and Ontario area on potatoes. Moderately abundant on fruit at Medford but high mortality resulted after extremely low temperatures in March. Spotty infestations appeared at The Dalles and Hood River where this pest is showing some resistance to the organic phosphates." (Capizzi et al in Summary of Insect Conditions in 1955).

"Required control in potato seed areas of Klamath County in late June and early July." (J. Capizzi in Summary of Insect Conditions in 1958).

"Built up steadily on potatoes in the Klamath Falls area to 6-16% infestation on July 20 and continued to multiply through the season on non-treated plots." (R W Every in Summary of Insect Conditions for 1959).

"Populations on potato were light in Klamath County. Hazard for infestations in 1963 dependent on severity of winter. Build up in Willamette Valley fields during July." (Capizzi in Summary of Insect Conditions for 1962).

"Week ending March 21, 1964 -- Eggs noted hatching Feb. 24 and are now on the developing buds of peach and pear trees in Jackson County." (Berry thru Larson).

"Build up of heavy populations on seed potatoes in Klamath and Douglas Counties late in the season requiring extensive controls." (Larson in Summary of Insect Conditions in 1966).

"June 17, 1967 -- Beginning to show up on leaves of potatoes in Marion and Jefferson Counties. (Every)."

"Aug 16, 1968 alate forms migrating into potato fields in the Cloverdale district week of Aug 9. (Oregon CEIR).

"Caused heavy damage to several green bell pepper fields in Clackamas and Marion Counties, Control was difficult." (D S Horning in Summary of Insect Conditions for 1969).

"Potatoes -- Infested leaves ranged 36-100 per 100 leaf sample. Populations building up since early July and controls ineffective. Leaf roll symptoms heaviest in years and some growers may not harvest. Growers with potatoes for seed most heavily affected. About 2,500 acres affected in Klamath Falls area of Klamath County. (Schuh). (CEIR 21(35):619, 27 Aug 1971).

Summary of Insect Cheffee many an Comment of 19.2 Perm

sen District Succession of Course ba

tederacity on recease a cum vamenta say
introduce on on fair 20 and cardinal to militar round
eased on ong transmirptois is Wiff with " or
eased on ong transmirptois is Wiff with " or

rions on pusher with the course course. Buff to another than a superior of the course of the course

ending yours. 1, 1966 grs ." Vicining "b" a manow on the developing none of grace and : trees in form Large." (Exercic thru Large.

up of heavy penulations seed parates in Klamach and again Gamettes late it the ison two ring excess control in Summary of Induct Conditions in 1866

17, 1967 -- Papinnjag : show .u on leave and felfar... (Green)."

16, 1968 slate 15 mp. m. ratim, lets normed tivide of

Cau or keavy damage to severe arrest bul. pepops (Islaa ka ke ard Markon Gobbets, General was deriv ke in Emphasy of Indeed Conditions for 1960

respect to the control of the contro

"Significant numbers still trapped in Chalk Butte and Mitchell Butte areas of Malheur County. Growers advised to check late potatoes periodically. (Henninger). Infestations variable, counts ranged 8-600 per 25 bottom leaves at scattered localities west of Wilsonville and north of Sherwood, Washington County and on Sauvie Island, Multnomah County. Infestations so severe at Wilsonville and Sauvie Island honeydew present over entire plants. Controls with several organic phosphates unsatisfactory. (Collins). (CEIR 22(37):619, Sept 15, 1972).

"Aphids increased significantly in traps in Chalk Butte, Mitchell Butte, Newell Heights and Adrian areas of Malheur County July 10 - 14. Aphid movement continued heavy in Adrian and Mitchell Butte areas July 19 - 21. Growers advised to check fields closely. (Henninger). Very few nymphs present on potatoes in Klamath Basin, Klamath County. (Schuh)." (CEIR 22(30):481, July 28, 1972).

"Potatoes -- Counts mostly apterae, ranged up to 2 per bottom leaf near borders and 1 per 10 bottom leaves in open areas of 45-acre potato field near Wilsonville, Washington County. Field treated 3 times past 15-20 days; control fair (Collins). Counts again high in Mitchell Butte and Newell Heights area potato fields in Malheur County August 3-4; decreased sharply August 7-8. Counts in most traps in area ranged 0-2. (Henninger). (CEIR 22(33): 542, Aug 18, 1972).

"Movement of this aphid into Malheur County potatoes began in late May. Heavy numbers continued to be trapped in the Newell Heights and Mitchell Butte areas until mid-August. Sporadic population buildups occurred in all potato-growing sections of Oregon. Leaf roll damage was very serious in the northern Willamette Valley in Washington, Clackamas and Multnomah Counties with counts ranging up to 600 aphids per 25 bottom leaves in early September." (CEIR 23(10):134-135, (March 1973) in Summary of Insect Conditions in 1972.

"Very heavy on peach trees in various parts of Treasure Valley. In Ontario area, Malheur County, traps attracting heaviest number of aphids recorded for this early in season, indicating unusually high aphid movement. (Henninger)." (CEIR 23(22):321, 1 June 1973)

"Alates moved into Malheur County potato fields, some growers applying treatments. Treatments also underway in Klamath County (Burr, Humphrey)." (CEIR 23(30):487, July 27, 1973).

"Alates appeared along borders of potato plantings in Washington County from aurora to Scholls. Alates most abundant in borders lined by trees. Treatments applied to some small fields. (Collins)." CEIR 23(33):559, Aug. 17, 1973.

otatoes -- Court a mostly apterse, ranged up to 2 cor betton
as nest borders and 1 per 10 hottom teaves in open areas of
a outato field near dissorvible Weshingron County. Field
1 3 times past 13-20 days; control (Goilles).
again high in Matogell note and Navel! Neithts area
(iside in Tabbour County August 3-4; decreased whatply
num 3-8. Counts in most traps to area ranged D-1 (tennotter)
021 22(3)): 542, Aug 18, 1972).

nt of this symble into Macheur County potatoes began Engles. Many, Engly numbers contained to ne trapped in the Marall ship and fitchell Ratte areas mutically allowed to sections of latter buildups occurred to all potato-proving sections of the best cold descen was very unriched in the northern lemette Valley to Machineron, Cia bones and Multinoush Committee tendes ranging on to a00 sobids per El bottom Leaves in estry to (CVIR 3610):116-135, [March 1373] in Supporty of the destinant as a container as a contain

beary on years trees in various parts of Treesors "allog ... "to area, Mailent County traps attracting heaviest untber E aphtics records for this early in season, indicating usushality the aphtic worsend. (Monethern)." (Chir 20,721:321. : huma 1973)

moved thro Halyanr Corney rotars fields, some provers desire case underway in Clanath County 17, 1971

espected along our was of pierro plantings in Stablicanon from nurvice to Schools (Labora mout abundant in bestern reces. Treatment applied to one small rights.

Nasonovia lactucae Linnaeus Sowthistle Aphid

Klamath Falls 2.IX.46 on S. asper (Schuh leg -- EOE det).

Troutdale 16.VI.68 on Sonchus sp. (Gray leg -- Dickson det) and 8.VII.34 on Sonchus sp. (MDL leg -- ANT det).

Salem 10.VII.67 "drifts" (Larson leg -- ANT det).

Corvallis 30.XI.52 on Sonchus oleraceus (Amen leg -- CFS det; 23.IX.50
 on S. asper (Amen).

Nasonovia ribisnigri (Mosley) Myzus hieracei (Kaltenbach) is a synonym

Gresham 18. VIII. 45 casual on potato (Schuh leg -- EOE det).

Corvallis 3.XI.46 on peach "casual" (Crumb leg -- EOE det).

Nearctaphis bakeri (Cowen) see Roepkea bakeri (Cowen)

Neoceruraphis viburnicola (Gillette) Snowball Aphid

Corvallis 27.XI.41 on Viburnum opulus (Schuh leg -- EOE det);
2.IV.14 stem-mothers on snowball (H E Ewing leg & det).

Klamath Falls 4.XI.69 on snowball (Gray leg -- Dickson det).

Albany 9.IV.43 on Viburnum ellipticum (Schuh leg -- AGR det).

Portland 27.XI.14 on beans (3 slides about 20 al ap) (Gentner leg -Wilson det).

Medford 14. IV. 49 on V. trilobum (Gentner leg -- EOE det).

Neomyzus circumflexus (Buckton) Crescent-marked Lily Aphid

Metzer 9.1.45 and 25.IV.45 on Camellia sp. (Schuh leg -- AGR det); 25.IV.45 on Ceanothus cuttings (Schuh let -- AGR det).

Portland 16.I.41 on Calla Lily (Schuh leg -- EOE det).

rumangola pappa sh na mankensh Bidga dipendippa

2. T3 60 00 5. 60; (Sebra) 1: - ...

the magnetices are not been been as the second as \$1.10. Inc. 1701 and 1801 as making the second as \$1.10.

"Il b? "deifes" (harsh tog .vi let)

[]. J. Vi 52 on Schoolus Clarkcous (sond les

meson. a er no enne til e termina er i Mesone e er no enne (100) ennes m sittlyt

e gos -- sel dudest clause to these control of the many of the man

Modification and the sellent

Medder non de milmania : (2):1941te)
Unawhill lyhis

e 27.X1.41 on verminade optins (8000b .eg - 281 acr);

is A. XI. 69 on enceball (Stay led -- Dickson den)

IV.43 on Windows allago, our Carrell Leg - ACK docs.

27-XI le un beaux (3 a) (des cheut "I al ac) fleut mex reg

. IV. is an V. tellabe (Geriner Leg -- Bull der)

edicamilence (Suckton

este d'Alle este de la la la company de la c

(330 300 m gul s

Corvallis 15.IV.41 on Hesperis matronalis (Schuh leg -- EOE det); 21.V.49 on celery in greenhouse (Crumb leg -- EOE det).

Talent 4.V.51 on buds of Lilium washingtonianum (Gentner leg -- EOE det).

Neonasinovia sp.

Parkdale 13.VIII.43 on Hieracium albiflorum (Schuh leg -- AGR det).

Obtusicauda essigi (Soliman) see Macrosiphoniella essigi (Soliman)

Oestlundiella flava (Davidson) (Formerly in Euceraphis)

Suttle Lake 29.V.41 on Alnus rubra (Schuh leg -- EOE det).

Hood River 4.VIII.41 on Alnus sp. (Schuh leg -- EOE det).

Parkdale 4.VIII.41 on A. rubra (Schuh leg -- EOE det).

Burlington 1,2.VII.69 on alder (Gray leg -- HRL det).

Ovatus crataegarius (Walker) Mint Aphid

Alsea 4.VI.41 on Mentha sp. (Schuh leg -- EOE det).

Corvallis 10.VI.42 on Mentha sp. (Schuh leg -- AGR det); 11.VIII.49 on potato 3 ap ny (Crumb leg -- EOE det); 10.VI.42 on potato, on Mentha sp. (Schuh leg -- AGR det); 11.II.52 on mint (CRA leg -- AGR det).

"Oregon - Although this is the second largest mint producing state the mint aphid is little known here. The only definite records of its occurrence are the following: Amora, 6 June 1893 on mint, many apteral, 1 alate (3 slides in USNM, Pergande det. No. 5764). Although these slides are clearly labelled in ink 'Amora, Ore.' Dr. Morrison can find no such locality on any Oregon maps, past or present available to him. He suggests that Amora may have been written in error for Aurora which is a small town on 99E between Oregon City and Woodburn about 20 miles South of Portland. Madras (in central Oregon) 22 July 1960 and in the Willamette Valley, 20 July 1960 a number of apterae, on peppermint (H E. Morrison coll)".

All of the above is quoted from M. D. Leonard "The distribution and habits of the mint aphid *Ovatus crataegarius* (Walker) Prof. Ent. Soc. Wash. 65(1):58, 1963.

THE THE MEMBERS ENGRALIS (School leg - 700 cors); the Seeking to the property of the seeking the seeki

ter and remark makes more address welling to which the V

J. VIII. 63 on M. or rough of a re-

Chinically cig (sallows)

(Formation of the three (Bost thron)

29.V.Al on Almus rubra 'Schuh les XVI letl

A.VIII it to Alsos sp (8 Pur ion - ULF dot).

a.VIII.61 on A. ruiza (Schut 23 . 80) da

1.2. VII. 69 on abler Core to en entrace

PVELIS SERRE CONTROL

I.41 on Membes ap. (sobuh ta. 10 tot)

is 10.71.62 on Mouths we. (Schutt 10; -- 465 ditt. 1 7121 on thate.) 120.71.62 on pucata, state. 1 20.71.62 on pucata, tentia e. (Schutt 19; -- 55% det 11..... on plut (ROLLING det).

Treg - Although this 'a the second largest wint cointing face the mint agin of the the mint agin of the little brown ners. The only defined we not be the control of the co

at two mestions are that it and the second we seek the course of the seek the second will be seek to the second of the second of

Panaphis juglandis (Goetze) Dusky-veined Walnut Aphid

Newberg 15.VI.35 on English walnut (? leg -- ANT det).

Corvallis 15.VI.38 on English walnut (Hsiao leg -- ANT det).

Portland 31.VII.40, 1.VIII.40 on English walnut (Schuh leg -- EOE det).

Troutdale 22.VIII.68 on walnut (Gray leg -- Dickson det).

Pemphigus bursarius (Linnaeus) European Lettuce Root Aphid

Enterprise (Wallowa Co) ? date on roots of lettuce (D Best leg -- ANT
 det).

Pemphigus fraxinifolii Riley

Portland 18-20.09 on Fraxinus oregona (Gillette leg & det in Gillette 1909:354).

? Pemphigus monophagus Maxson or P. tartareus Hottes & Frison

Albany 30.IX.33 on prune leaf, 1 al (J Roaf leg -- ANT det).

Pemphigus populicaulis Fitch Poplar Leaf-petiole Gall Aphid

Corvallis 15.VI.37 on poplar (Vertrees leg -- ANT det with query).

Malheur Co 18.VII.41 petiole galls on *Populus sp.* (B M McKennon leg -- EOE det with query).

Talent 31.V.56 on Populus trichocarpa (Ritcher & Gentner leg -- EOE det).

Pemphigus populitransversus Riley Poplar Petiole Gall Aphid c5) for trust at larger a local result of the control of the contr

get Italian delegal on 22.27.2

. : Na ro C alalv. . us. FIV. c

ge garan tutalan no 80. 17V.SS

People of the New York West

26. Villet on outs en a con

(Bullens ...) ! doze do re-

THE ROOM F AT

18-91,05 or 7 endom norman

- Paudinonan සහදුවේමරණ වී සිරිට් 108 වසර කිරී ම

in. It is a strong leaf a al II deal

Manufalous pop audiomer Regian Leet volumens

fol event () Lafroy on CE.IV.1

to 18,711 Al periole galls a. The

12.5% on albury pools (acho ? Aivla seg in (ac).

.V.S. . . Depoling. Conscionation (Rills to A Benings leg

11th Accessor on Silan

Corvallis 15.VI.37 on Populus sp. (Vertrees leg -- ANT det); 9.VI.50 on
 Rumex sp. (Crumb leg -- EOE det); Long in litt 11.IV.73 queries
 det.

? Pemphigus tartareus Hottes & Frison see also P. monophagus Maxson

Pemphigus populivenae Fitch Sugar-beet Root Aphid or Poplar-vein Gall Aphid

Lange (Jour Econ. Ent 55(5):760, 1962) states that P. betae Doans is the same species as populivenae Fitch and that P. balsamiferae Williams is closely related to if not the same as populivenae Fitch.

Salem 24.VIII.09 common on roots of Chenopodium album (Gillette leg & det in 1900:354).

Coquille 14.IX.36 on mangel (Edwards leg -- ANT det).

Dayton 6.X.41 on roots of Rumex sp. (B G Thompson leg -- EOE det). (Lange in litt. 11.IV.73 to MDL queries det).

Santa Clara ? date on roots of sugarbeet (leg ?-- ANT det).

Harrisburg 28.I.42 on roots of sugarbeet (Schuh leg -- EOE det).

Portland 6.V.41 on P. tricocarpa (Schuh leg -- EOE det). (Lange in litt 11.IV.73 places this record under P. populivenae to MDL.)

Periphyllus americanus (Baker) American Maple Aphid

Corvallis 14.X.15 on Acer circinatum (Lovett leg -- ANT det).

Periphyllus californiensis (Shingi)

Oregon City on Acer macrophyllus (Schuh leg -- EOE det).

Multnomah 8.V.41 on A. macrophyllus (Schuh leg -- EOE det).

Corvallis 28.IV.41 on A. platanoides (Schuh leg -- EOE det).

Portland on A. circinatum (Schuh leg -- EOE det).

3 Miller of the Pompine of . Werescope log - the Ser); O. . . 180 April 190 April 190

2 Pamphigus Earcentud N -a d Princed as also be an Indon

Perphist Fo. : west 6134

Room. Col 23(5):780, 1961 seem s. test georg ause species as popular on tuch son the. a brisiniferon is closely relaced and on the above ordericans

III.03 nonthead on comment in albert in these log & eat

. IN 36 op cancel takenda len AM fett

5. 41 on voite of Comerce, 13 'Thompse are -- 50 car). Hence to the morrow term

? date or contrate of street II --- ANT ;

28. L.A. ur cour of surpresent (hobid tes - 188 not).

On 0.7.41 on P this extra (Sereth teg - 157% ser). The propertion in Fig.)

M.E.LE on Acer eir fastum (horsett teg -- EV det).

Per dies differn man (Shies)

on keep mersoometer (kebut lee lul let).

onn 200 - pro fedori sulladocamenta no 10.V

ink File - get dudok) sebapand de .A no 10. " . 1

(ant Bull -- gel

- Peavine Ridge near McMinnville 24.X.46 "Sweepings" on Polystichum sp. (Fender leg -- AGR det).
- Near Dee (Hood River Co) 20.V.59 on A. circinatum (Schuh leg -- AGR det).

Periphyllus lyropictus (Kessler) Norway Maple Aphid

Corvallis 14.VIII.33 on Acer platanoides (Schuh leg -- ANT det);
5.VII.34 on A. platanoides (MDL & Schuh leg -- ANT det);
17.V.35 on A. macrophyllum (Ferguson leg -- ANT det); 13.IX.25
on maple (Wilbur leg -- ANT det).

Siletz 8.X.34 on A. circinnatum (Dimick leg -- ANT det).

Beaver Creek 9.V.36 on Acer sp. (Gray leg -- ANT det).

- Lacomb 27.V.37 on alder "casual" (Edwards leg -- ANT det); 8.X.34 on
 A. circinnatum (Dimick leg -- ANT det).
- Portland 18.VIII.70 on Norway maple (Gray leg -- Dickson det).

 Formerly filed under Chaitophorus aceris (Linn.) in the OSU

 Coll -- Corvallis 24.X.11 on maple (HFW coll leg & det);

 24.X.14 on alder (HFW leg & det, tests ANT); 14.X.15 on Acer

 circinnatum Lovett leg -- HFW det).

Periphyllus negundinis (Thomas) Boxelder Aphid

Algoma, Klamath Falls 17.VI.46 on boxelder (Schuh leg -- EOE det).

Periphyllus populicola (Thomas)

Parkdale 4.VIII.41 on Populus tremuloides (Schuh leg -- EOE det).

Periphyllus testudinaceus (Fernie)

Portland 18.V.68 on Oregon maple and 2.VI.69 on maple (Gray leg -- Dickson det).

Scottsburg 1.V.62 on Acer macrophyllum (Schuh leg -- AGR det).

Hillsboro 14.VI.48 on A. macrophyllum (Dickason leg -- EOE det).

3. IR 43 on eagle (lobg 2 Deric log AGR let): 2 % A. a acple (1 log - AGR cot).

dear Met for 140 Max 40 "She mlage" on er mus obma

(Book Niver Co) 20.7 79 co a. .. c earry (Schen ing

Cerrolyland Lyrogicius (Reseleti Norway Napla ente

i. I. 14 on A. eincitmisters (Binish Lett -- All det).

or TON on you vail) ige teol on 35.Vi€ Tod

37 o. nidez "cenual" (Sivucus eg -- e33 det): 8.3 circu cescum (Dimick Leg -- 100 det).

Portphyllud ong od or (Thomas) Barelda handd

es ou .. sel d'ado) sebir et .. pt. 17. 11. viley des

Pertoballing reput tota (Thomas

CIAN OFF - get dutall cathaluness animage no IA. IIIV.

. . . erichellus coscudinocus. (Ferniu)

in and offer so Co.TV. bee elsem suges on 80.V.81;

urg 1.V.62 en Amer mærtephyllum iSchub lag -- Wib dij)

T. All cai A. and cophysisum (Mickeyin log -; EON los).

-85-

Corvallis 15.V.51 on maple (Amen leg -- AGR det); 3.V.51 on maple (Bishop leg -- AGR det).

Talent 14.V.49 and 8.V.56 on A. macrophyllum (Gentner leg -- EOE det).

Phorodon humuli (Schrank) Hop Aphid

Troutdale 16.VI.68 on flowering plum (Gray leg -- Dickson det).

Portland and Corvallis 21.VII.44 on hops (Knlt in M S 387 p.21).

Independence VII-VIII.34 on hops and 31.X.34 ovips on prunes (Larson leg -ANT det).

Albany 20.IX.33 on prune (Larson det) and 7.X.33 on prune (Road leg -- Nielsson det).

Riddle (Douglas Co) 15.V.28 on prune (S C Jones leg -- Nielsson det); 15.V.38 on prune (Schuh leg -- EOE, Boudreaux det).

Peoria Road 26. IV. 41 on prune (P. Mowry leg -- AGR det).

Corvallis 16.X.46 on prune (Crumb leg -- AGR det); 24.IX.49 on cult plums (Crumb leg -- AGR det; 19.IX.33 on hops (?leg -- ANT det); 27., 29.X.34 on hops and prune (Larson leg -- ANT det); 4.XI.12 on prune (Wilson leg & det); 26.X.34 males and oviparae on prunes (Larson leg -- ANT det); 16.X.46 on plum (Crumb).

Tidewater 31.V.44 on plums (Schuh leg -- AGR det).

Fairview 5.VI.51 on plums (Amen leg -- AGR det).

Pump House, Ent Farm 24.IX.49 on cult plum (AGR det).

Talent 20.X.52 on apricot (Gentner leg -- EOE det).

Milton 15.V.38 on prune (Schuh leg -- EOE, Boudreaux det).

Medford 27.V.50 on Prunus blereiana and P. pissardi var vesuvius
 (Gentner leg -- EOE det).

Gresham 26.V.42 on cult plum (Schuh leg -- AGR det).

Phyllaphis fagi (Linnaeus) Beech Aphid

Portland 22.VII.55 on Beech leaves (Larson Rept Knlt det).

13.V.11 on maple (them law . Act det); 1.V.1 on or

A see sel good and a majorionic and control led the self. [. Al

ection (tabet rebitted). Brad. nod

16 VI. 53 on Howering olon Corn.

of and formallies Have to Man Available and the bare

se whereas are post of a simple and thereon m

Letes det).

r Col 15.V 18 on stunct() " 1 era leg -- Whalener 5.V.38 on p. unv (delugh leg -- Ris.) adresum dec)

Cost Bar .. of grand 31 smarg to Se. Vi. 88

16.7.65 on prune (Crumb and and a N. 54 ca out we (Crumb log) and the country of the country and a c

31. V. do no plume (Schuh leg ACR det).

V 5.VI.51 on plans (Auen lea -- Ried det).

nee. Ent Ferm 24.1% A9 on cult plum (ASR dor).

20.2.52 on arriant (Contart Log -- Rev dee).

15.7.23 on grone (Schoh leg -- 50%, Scentreaux dat).

27. V.50 on Prugus Marriors and P. Dissersi var agentus Sentess

26, y. 42 on cult lon (August les . ACH .tes

Shull took (Lindonses)

.55 m Peach land (Leron peac Vote in Et.

237

Troutdale 29.VI.45 on Fagus sylvatica purpurea (Schuh leg -- AGR det).

Pleotrichophorus sp.

Brothers 24.VIII.44 on Chrysothamnus viscidiflorus (Knlt det).

Prociphilus alnifoliae alnifoliae (Williams)

Gearys 19.VI.47 sweeping seaside bent (Agrostis sp.) (Schuh leg --CFS det).

? Prociphilus sp.

Orient 21.IV.42 on Ranunculus repens (Schuh leg -- AGR det).

Prociphilus alnifolii fitchii Baker & Davidson

Crescent City 6.VI.41 on Amelanchier alnifolia (Schuh leg -- EOE det).

Corvallis 9.V.14 on Amelanchier sp. (Granovsky leg -- CFS det); 9.V.14 on A. alnifolia (Wilson leg -- CFS det).

Prociphilus americanus (Walker)
(Synonyms are -- P. fraxinidipetalae Essig and P. venafusca Patch)
Smoky-winged Ash Aphid

- "Oregon -- Overwinters on ash as eggs; aphids on leaves in spring; migrates to Douglas fir about June and spends summer there; also some there all year on the roots (Wilson 1915:85-87).
- Corvallis 28.X.12 on Pseudotsuga taxifolia (? leg -- ANT det); 26.X.10 on grass (Wilson leg -- CFS det); 19.XI.67 ? on -- (B Zak leg -- CFS det, 1 slide 4 al); 16.VIII.42 and 16.X.42 (Schuh leg -- CFS det); 15-21.X.64 (B Zak leg and 19.XI.67 ? plant B Zak leg -- CFS det).
- Table Rock (Jackson Co) 1.XI.15 in crevices of ash bark (F F Riddle leg -- Wilson, ANT det).

Talent on Fraxinus oregona (Schuh leg -- EOE det with query).

Foster (Linn Co) 24.X.33 aerial forms on ? (Dimick leg -- ANT det).

Salem 10.V.60 on ash (J Capizzi leg -- Knlt, CFS det).

Plak no dui " colon de Mandeles production du Editorio e

Plant chopingra, so

TIE KUTELICHTEN LEANERBERTE DE MA.TIIV.

Procesybiles absidition struct the CVIIII

Avi. 67 sweeping coaside bent (Agreening Comm. or

P Procincies

1. IV. A2 na Ranung jus pepang Schoh reg . ACR Ser S.

Procipaling algirotif Fisch.: heber 6 Dev:83

Ofty 6.VI.41 on Amelenchies alarceding (Sebuch less ... 108 dol).

9.V.71 on Amelench as ep. (Characelo les ... 171 ...) 3.V.1

alafichia (Wilcon Les ... 188 ... 188 ... 188 ... 188 ...)

Aves are -- P. fractaldineno. Sing (Valler)

News are -- P. fractaldineno. Sing a. rafurca Pa

New Ry-winger Ash Avaid

"Overvincess on sense ergel; on the un leaves on aprires; raises to Douglas lit whose lure of 2 ment, enterer as chere all year on the rest. (Wilson 1913:85-87).

e 28.K.12 on Pserdočauga Larikfolis (* le. -- ANT dot); v5.; gravy (Milson leg: -- FFS dot); 19.XI.67 ; nn -- (7 ?:) log sa det, l stide & all; l6.VIII.42 and l6.K.42 (Schuh ur -- F5 dot); l5-21.K.64 (8 Zak leg and 19.XI.5) * plant g t

Nock (Jackson Co) 1.XI.15 in orevices of set burk (P W Biddies

oragions (Schulu leg - Phys det with query).

ins Co) 24.8.33 cerisi forms on 7 (Dietok leg -- 157 det).

White on and it Candral leg - Phile dry det);

40 TT 600

Woods Cr. Rd. 22.V.68 on Fraxinus latifolia (CFS & Zak leg -- CFS det).

Medford 14.X.47 in flight (Gentner leg -- EOE det); 18.X.15, 11 al on office window (Gentner leg -- CFS det).

? Prociphilus brumeliae (Schrank)

Wilson 1915 Trans Am Ent Soc 41:86 reports what he thinks is this in Oregon; says that it has been imported and occurs on tips of red and white ash.

Prociphilus fraxinifolii (Riley) Leaf-curl Ash Aphid

Portland 18.VIII.09 on Fraxinus oregona (Gillette leg & det).

Prociphilus venafuscus (Patch) see Prociphilus americanus (Walker)

> Pterocallis alni (DeGeer) Formerly det in Myzocallis

Yachats 21.VII.35 on Alnus rubra (EOE leg -- ANT det).

Gresham 11.IX.47 stray on broccoli (?Schuh leg -- AGR det).

Pterochlorus rosae (Cholodsky) (Formerly in Lachnus) Hairy Rose Aphid

Sisters 29.V.41 on Rosa sp. (Schuh leg -- EOE det).

Pterocomma bicolor (Oestlund) Reddish Brown Willow Bark Aphid

Alsea 4.VI.41 on stems and leaves of Salix sp. (Schuh & Ostlind leg -- EOE det).

Diamond Lake, 12 mi N of 8.VI.42 on stems of Salix sp. (Schuh leg -- EOE det).

Gresham 18.VI.42 on Salix sp. and 4.VIII.43 on Populus trichocarpa (Schuh leg -- AGR det).

? Proudphilus brunes ias (Schrank)

19. Trans Am East Sec 41:0% reports what he things on this or regon; save that it has been imported and accura in tips. The

Prociphiles franknikolks (213ev) Lestrouri Ach Aphia

LVIII.03 on Francisco cragons (Cilicata sea a det)

Prociphic. vehefusous (Motch)

Presocalida utai 1000ker) Romartz det an Magrialita

i.VII. 5 on Alnus rubra (20L jeg -- 4%7 det).

Pharocolous roses (Choloselus)
(Possessells)
(Rose Anbid

2 .V.4: on Rosa sp. (Schuh log -- KUT 92.).

Pternuorus bicolor (Gestinni) Raddish brown Willew Bert Annis

- well betten & dufos, see the some leaves to

- pel miner of males of Males on M. I & 30 M l

. VI. 62 1 Salis . and A. VIII. 43 on Populus trichcoarps

Troutdale 1.VII.42 on Populus sp. (Schuh leg -- AGR det).

Pterocomma flocculosa (Weed) American Poplar Bark Aphid

Portland 18-20.VIII.09 on bark of willow (Gillette 1909:386).

Pterocomma populifoliae (Fitch) Reddish Brown Poplar Aphid

Ochoco Ranger Station 29.V.41 on Salix sp. and Populus tremuloides Schuh & Gray leg -- EOE det).

Portland 8.V.41 on Populus trichocarpa (Schuh & Gray leg -- EOE det).

Sisters 9 mi W of 29.V.41 on P. tremuloides (Schuh & Gray leg -- EOE det).

Albany 8. IV. 26 on willow (Wilbur leg -- ANT det).

Corvallis 8.IV.26 on weeping willow (may be poplar) (Wilbur leg -- ANT \det).

Redmond date ?, plant ? (G Lear leg -- EOE det).

Pterocomma salicis (Linnaeus)

Portland 18.IV.40 on Salix sp. (Schuh leg -- EOE det).

Gresham 4,18.42 and 25.V.42 on willow and S. babalonica (Schuh leg -AGR det).

Pterocomma smithiae (Monell) Willow Grove Aphid or Black Willow Aphid

Forest Grove 23.X19 ? plant (A C Burrill leg -- Knlt).

Corvallis 5.IX.34 on weeping willow (Richman leg -- ANT det); 10.IV.26 on weeping willow (Wilbur leg -- ANT det).

Astoria 15.IX.35 casual on garden peas (Gray leg -- ANT det).

Sisters 29.V.41 on Salix sp. (Schuh leg -- EOE det).

Troutdale 16.VI.68 on willow (Gray leg -- Dickson det).

Portland 28.X.69 on weeping willow (Gray leg -- Dickson det).

Ta . 42 on Fotoluc sp. (British log -- 1822 ust).

Scarp Ast Tlemonical Glads

a VIII. Of on back of willow (Gillerge toposque

Pterocomma populifolies (Fitch) Reddish Brown Paplar Aphid

1 100

Shatton 29.V.A: on Calix sp. and Pomilin Drownloss

p. W.Al on Populus triciogarps (Sthuh & Gravier -- 709 Jets.)

L. I 26 on willes (Wilbur leg--- ANT det)

's 8.IV.26 co verging willow (may be poplar) (Milbut log --

. plant ? (G lawr leg -- EDN der

Pterecomma orbicis (Linnauna)

18 IN. AU on salir ep. (Schoh ing -- bi)b deto.

-- and district to wringed .2 has wollde so 12.0.45 has 12.61

. or FiceCocomm. emicross (Memoll) Willey Grove Achid or Black Willey Achid

23. XIP 7 plant (A C Burrill leg --- Kait).

*IX-36 on weeping Millow (Althon leg -- ANT . 19 19.26 g willow (Vilbur leg -- ANT .etc).

". IX. 35 casual on garden pess (Grey log -- syl Ger).

V.Al. on Salik ap. (Schon log - wit der).

5.VI. 68 on willow (Gray log -- Dicawen dor).

3.K. 55 on weeping willow (Grey Leg - Dickson dec).

and the same

Gresham 29.VI.45 on S. babylonica (Schuh leg -- AGR det).

Ashland 25.IX.46 on Salix sp. (1 alate) (Gentner leg -- EOE det).

Grants Pass 20.V.53 on willow (Pulliam leg -- AGR det).

Bly Mt 1.IX.59 on willow (Schuh leg -- AGR det).

Peavine Ridge near McMinnville 9.XII.46 ?plant (Fender leg -- AGR det).

Rhizomaria piceae Hartig

Corvallis, Woods Creek Road, Coast Range Mountains 1700 ft elevation 29.III.65 (B Zak) aptera; 22.V.68 (B Z, CFS); 20.VI.68 (B Z) apterae 2 slides; 6-21.X.64 (BZ) 3 slides; 1963 probably Oct (BZ) apterae and secuparae, 12.XII.66 (B Z) 8 slides -- all on Pseudotsuga menziesii associated with mycorrhizae on roots.

Above data taken from C, F. Smith "Pemphiginae associated with the roots of conifers in North America (Homoptera:Aphididae)" (Ent Soc. Am. Annals 62(5):1146, 1969).

Rhopalomyzus poae (Gillette) Gillette's Bluegrass Aphid

Fly Creek Valley 10.XI.63 1 aptera on gills of a toadstool may be this species (Schuh leg -- AGR det).

Metzger 25.IV.45 a stray alate on Camellia sp. (Schuh leg -- AGR det).

Rhopalosiphoninus latysiphon Davidson

Corvallis 22, 25.X.15 on roots and tubers of Irish potatoes (Lovett leg -- Wilson det tests ANT); 25.III.26 on violets (Wilbur leg -- ANT det); 12.IX.12 on pansy (Bailey leg -- ANT det); 2.VI.51 on beans (Amen leg -- EOE det).

? Rhopalosiphoninus tupipella Theobald

Corvallis 15.IV.41 on Hesperis matronalis (Schuh leg -- EOE det).

Rhopalosiphum sp.

Corvallis 10.III.34 on celery stalks (Dimick leg -- ANT det).

D. W. 15 on of . Asheletted (Schon reg. -- 453

H. IM. W. on Selfy so. (Loloke) (Section to the make

10.V.33 on willow (Pullisa reg -- ACW det).

.1%.59 on willow (Schuh leg ... AGR der)

Elage mear McMconville 9. Mil. A6 Polem (Fender leg per seri

Ahi meris picesa nas um

) Moods Greet Mand. Court Range Meantsins 1725 ft elemetros 111.65 (8 %th) sptera; 22.7.68 ** 2, 653); 20.71.68 (F 3) 2 states; 6-21.8.66 (82) 3 sides; 1963 probably ort :32) as and securerae, 12.%11.66 (8 2) (11des | 11 cm endobsage meanteur's associated will invocurance on loos

data inhen from U. P. Smith 'Pempulpinae associatora vita roots of confers to North America (compression 1 ac)". Soc. Am. Americ b2(5 :1]at, 1983).

Rhopelomyrus pace (Cillotte) Cil'ette s Bluegrass Aphid

the Valley 16.X1.52 I apters on gills or a readstool way us thin years (Schuh log -- ACE der).

A5.1V.A5-a stray state on Carellia sp. (Schub log -- 1.5% Set)

Shopeloui phominur Leturiphon Davidson

a 22, 25.K.15 or roots and tubert or Irisk potation import leg associate that test ART); 25.L)(1.26 or violete (Bulbur test - ART et); 12.YA.12 on paney (Balley leg -- ART set); E.V -- ERT lég -- KOI det).

P Flored oed Constant tumbredia Thechaid

la 15. IV. A. on Respende matronadis (Subur deg en 1 402).

ge miniciae Legenal , go and

LEE & encedory scalis (Otherick ling was AND deer)

-03- 13-1-15 (1-15) al-11.

- The Dalles 14.I.72 in a Berlese funnell from moss (Knlt & David leg) all immature (CFS det).
- Tidewater 6.VII.44 on bentgrass (Schuh leg -- AGR det).

Rhopalosiphum conii (Davidson) see Hyadaphis foeniculi (Passerini)

Rhopalosiphum enigmae Hottes & Frison

Talent 10.V.56 in fruit cluster of Anjou pear, curling leaves (Gentner leg -- EOE det).

Rhopalosiphum fitchii (Sanderson) Apple Grain Aphid

- Corvallis 4.XI.33 on apple (Dimick leg -- ANT det); 14.VI.37 on wheat (Vertrees leg -- ANT det).
- Portland in Teufels greenhouse 3.I.57 all stages on *Strelitzia*, Bird of Paradise, (Larson leg -- LMR det who remarks "*Strelitzia* is an unusual host for this aphid; in the greenhouse *fitchii* is usually found on Graminiae and if grasses are present with *Strelitzia* the aphids probably moved from them to the unusual host").
- Central Point 5.V.54 and 26.IV.56 on Marion blue grass (*Poa sp.*) and 9, 18.IV.49 on pear (Gentner leg -- EOE det).
- Talent 30.VI.53 on Prunus demissa (Gentner leg -- EOE det); 1.VII.52 and 25.IX.52 and 21.X.52 on Prunus subcordata; 20.X.52 on apricot (Gentner leg -- EOE det).
- Ashland 7.XI.52 abundant on pear leaves (Gentner leg -- EOE det).

Rhopalosiphum grabhami Cockerell

Waldport 4.VI.41 on Lonicera involucrata (Schuh leg -- EOE det).

Rhopalosiphum maidis (Fitch) Corn Leaf Aphid

Klamath Falls Aug 1946 on Hannchen barley (Schuh leg -- EOE det).

Salem 10.VII.57 on barley (Larson Rept -- Knlt det).

"A cereal yellow dwarf virus was common in small grains throughout

14.7.72 in a decision formed a treat over 15mle a amid toxi

Ebonalcoignus court (Newpiless)

Pupples of the Cartain Grant Control of States

gering, 7.56 % fruit cluster of hitou es.v. cuiling -- EOF aut).

Phone ices pand Clevel (Sandreson

re seren The - pol solution rives no fill. A fil

in Toufels protenhows 3.7.51 said charken on Strollines, in writer. (Lateron leg -- los der who comarca "chip") i in a loss tor this aprid; to the presence, itemit -- " in confidential and franchis are present with itselfers, applies probably some from tree in mach. Itselfers.

1 Point N.V.56 and 20. Tt.56 by Martin blue give (200 b.1 and 18. IV A9 on past (destinct log --)the det).

30.VI.53 on Promos denies a (Center, let . ECE ent) [.1 [ET 25.IK.52 and Zi.K.52 on Primus subconducts: 15.K.52 a sprimus subconducts: 15.K.52 a sprimus leg -- ECE des).

cach Mile -- had mendanki kakhal men no nashruda idi.K. J 5

Whopelovinham acom Nockerell

VI.Al on Louisers emvaluerer. (Schoh ley FOE det)

Ampaios, pinu maid o (Fara)) Con Cosa Abhid

th Va s Ang 1916 on Dannener, barday (Schull inp -- 20% det).

10.VI 77 on bardey (berich den) - 111 det).

sundquords enters lieva of commo.

the Willamette Valley this year. A survey of grain aphids uncovered several species known to transmit this virus. Among these was the corn leaf aphid." (Report by Capizzi in CEIR's Summary of Insects During 1957)

Talent 20.X.52 on sweet corn (Gentner leg -- EOE det).

Rhopalosiphum nymphaeae (Linnaeus) Waterlily Aphid

Clatskanie 4.VIII.36 on Saggitaria latifolia (Schuh leg -- ANT det).

Sunset Lake 6.IX.62 on waterlily (Schuh & Vertrees leg -- AGR det).

Klamath Falls, Geary Canal 19.IX.62 on Lemna sp. (Schuh leg -- AGR det).

Klamath Falls 15.X.53 on Prunus americana (Crumb leg -- AGR det); 15.X.53 on peach (Amen leg -- AGR det, 1 slide).

Oregon City 9.XII.50 on lily bulbs (L Garolan leg -- EOE det).

- Medford 12.V.49 on Prunus pissardi var. vesuvius (Gentner leg -- EOE
 det).
- Gresham 25.X.49 on Prunus emarginata and Veronica sp. (Crumb leg -- EOE det); 2.X.47 on Lemna minor (Schuh leg -- EOE det).
- Corvallis 22.IX.52 on Bresenia schreberi (Roth leg -- AGR det);
 10.VI.43 on cult peach (Schuh leg -- AGR det) ? stray.
- Talent 25.IX.52 on Prunus subcordata; 20.X.52 on apricot leaves (Gentner leg -- EOE det); 19.IV.61 common on tips and one-year old wood of unsprayed peach trees (Gentner leg -- LMR det).

Rhopalosiphum padi (Linnaeus) Oat Bird-cherry Aphid

- Roseburg, Garden Valley 16.VIII.68 on sweet corn, feeding on ears (Larson Rept -- Kono det).
- Salem 10.VI.64 "drifts" on Juniper (Larson leg -- ANT det).
- Klamath Falls 19.V.46 on Prunus subcordata (Schuh leg -- AGR det); 17.VI.50 on P. subcordata (Crumb leg -- EOE det).
- Hermiston 27.IX.68 on corn (Gray leg -- HRL det).
- Central Point 9.IV.49 on blossom clusters of Bartlett pears (Gentner leg -- EOE det).

1.X.52 on aware core (Scot or log -- 20s der

Phoceletiphos manymeros (Linners Varentia)

6.VIII.36 on Sagor Sarda laterolf (School -- ANI day

6. IX. 62 on water 111; (Schuh & ritter

Tells, Ceary Canel 12, 1X.62 on fector sp. 'Sci by . 16s

lis 15. X.53 or Prunus americana (Cremb 75. X.53 on peach (Amea leg -- AGN dec, 1 :11da

9.X13.50 on lely bulbs (1 Carolon e: E .

... V. 49 on France piccatili ver. vesuving (Realine) 10g --

s.g.49 on Prince ormsylvate and Vocanica use 1

c.22.IX.52 on present schreburi (Noth) og c. 22.IX.52 on cult reach (Nobub Leg - ACR det ex ev

25 IX 52 on Prunts subcordata; 20 2.52 on assisted to was there leg - EAR dear; 18.17. at correct on til and prompt decorated trees (fontmer lev [MR det).

- Bhonalosiphum padi (Linzagur)

. Carden Valley 16, VIII, 68 on sweet corn, 19ng un arts on Reps -- Idan das).

vi.64 "driftes" on Juniper (Largen leg -- ANT der)

e 19.7.46 oo frumuw mabournett. (Schub leg + AbB et); .vi.CD on P. schoosfota (Crumb teg -- ElK det).

(Stay leg -- MM. det)

9.TV. 6: on blossom rlubbers of Parking pages (Seatons)

-100 mg

- Eugene 26.IV.37 on prune blossoms (S C Jones leg -- ANT det).
- Gresham 4.VIII.49 on potato (Crumb leg EOE det); 22.IX.49 on Prunus emarginata (Crumb & Amen leg -- AGR det).
- Corvallis 12.IV.46 on plum (Wilbur leg -- ANT det); 29.IV.40 on plum
 (Mowry leg -- ANT det); 14.VI.36 on wheat 5 ap ny (Vertrees leg -ANT det).
- North Bend 6.V.19 on plum (W R Hart leg -- ANT det).
- Arlington 25.I.51 on plum many apterae around a haystack (E S Kirsch
 leg -- EOE det).
- Lebanon 16.V.51 on alta fescue several ap al (Dickason leg -- EOE det with query).
- North Bend (Coos Co) 6.V.19 on plum (W R Hart leg -- ANT det).
- Independence 10.V.35 no plant, immature (det query).
- Talent 2.V.61 on young pear trees (Gentner leg -- LMR det).
- Klamath Falls 22.IX.46 and 19.V.46 on Prunus subcordata (Schuh let -- AGR det).

Rhopalosiphum splendens (Theobald)

Wamic 1952 ? plant (Dale F. Hammond -- Palmer det via Knlt).

Ashland 7.XI.53 abundant on pear leaves (Gentner leg -- EOE det).

Roepkea bakeri (Cowen) (Formerly in Nearctaphis) Clover Aphid

Corvallis 25.VI.17 on clover (Lovett leg & det).

Alsea 4.VI.41 on Trifolium hybridum (Schuh leg -- EOE det).

Portland 8.V.41 on Trifolium sp. (Schuh leg -- EOE det).

Gresham 22.VII.45 and 29.VIII.45 on potato (Schuh leg -- EOE det).

Odell 4.VIII.44 on sweet clover on lower part of stem (P W Mason det in "Survey in Vicinity of Ports of Entry 1944-1945").

Cloverdale 25.II.54 on alsike clover (Dickson leg & det).

edgest player in lower of steel (E. Wirder det in Vi pity of futry 1914-1945"). Culver 11.VII.47 on alsike clover (P W Every leg -- LMR det).

Fairview 5.IX.47 on Gladiolus (P Mowry leg -- EOE det).

Ranger 13.VI.50 on red clover (Dickson leg -- EOE det).

Klamath Falls 23.IX.47 on peach (Crumb leg -- LMT, AGR det);
 13.X.48, 15.IX.49, 23.IX.47 on peach (Crumb leg -- EOE det);
 20.VII.49 on potato and 28.VII.49 on alsike clover (Crumb leg -- EOE det).

Madras 24.II.54 on red clover (Amen leg -- Dickson det).

Redmond 3.X.50 on apricot (Crumb leg -- EOE det).

Experiment Station 5.X.50 on Prunus subcordata (Crumb leg -- AGR det).

Talent 19.IX.49 on pear leaves and 20.X.52 on apricot leaves (Gentner leg -- EOE det).

Roepkea sensoriata (Gillette & Bragg)

Rocky Point 22.IX.46, 1 slide on Amelanchier alnifolia (Schuh leg -- AGR det).

Roepkea yohoensis (Bradley)

Peavine Ridge near McMinnville 20.VIII.46 "sweeping" (Fender leg -- AGR det).

Schizaphis graminum (Rondani) Greenbug

Ontario 10.VII.57 on wheat and barley (Capizzi leg -- Knlt in M S 171 p. 15, 1958).

"Nymphs collected on volunteer barley in wheat field near Helix, Umatilla County by K J Goeden & R L Penrose Dec 15, 1970. Specimens reared to adults in laboratory on perennial ryegrass. Determined by R. Berry, confirmed by L M Russell." (CEIR 21(16): 259 April 16, 1971).

"Averaged 1 per 10 sweeps in wheat near Holdman, Umatilla County (Goeden). (CEIR 21(23):390, 4 June, 1971).

tion that -- bot knows to account applying a definite

13:14.50 on red currer (Dictoon les - ter st.

Fel 23.1% (1 co peach (true's leg -- 157) 571 den): 0.7.48 13.1% (40.0) 18 47 or peach (druch les -- 20) as . VII.e3 on poteco and 38.VII. 3 on table least (fromb led).

M. 11.34 on red (lover (Amen tog | Dickson dot)

d | X.50 on apricor (Cramb les -- Eng on

Starion L.M.50 on Prudus substruibud (Erna) way ... one gard

IX A9 on post leaved and 20. V.52 or aprec a -- USE der

Paraga t paragaila) esperientes producos

22.1%,46. 1 wilde on Amelbourset austrolla Pachi inc . & Set).

Roccisa rôtesprov () : sle)

es "Idga nies Heldenbulle 20. VIII. 45 "ame grand" (Imday 102 ---

Subigential seam ner (&) unit

15, 1988).

s collected on volunteer berief in wheat tield most Woltz.

Country by K d Coesses & K L 'entries one 13, 1970.

remarked to adults in labourists or significations remarked the senteer by R. Berry, confirmed by L M Russell." [CEST 711] & 259 April 16, 1971).

one planet as the deep in the same at a second of the same all 30 1950. A line, and A line, and a same at a same at

. .

Schizolachnus curvispinosus Hottes, Essig & Knowlton

Butte Falls 5.X.56 on *Pinus ponderosa* (Gentner leg -- Hottes 1957 Proc Biol Soc Wash 70 p. 15).

Union Creek 21.V.59 on P. ponderosa (Gentner leg -- Hottes det).

Prospect 21.V.59 on P. ponderosa (Gentner leg --Hottes det).

Siskiyou 15.X.59 on P. ponderosa (Gentner leg -- Hottes det).

Schizolachnus sp. near pineti (Fabricius)

Portland 20.IV.70 on Scotch pine (Gray leg -- Dickson det); 7.V.62 on Pinus contorta "candles" (Larson Rept -- Hottes det).

Klamath Falls 19.VI.46 on P. contorta (Schuh leg & det).

Gresham 27. IV. 45 on Pinus mughus (Schuh leg & det).

Portland 16.II.64 on mugho pine (Larson leg); DeYoung Nursery 20.IV.64 on Scotch pine (Larson).

Canby 13. IV. 64 on Scotch pine (Larson).

Salem 8. IV. 65 on Pinus sp. (Larson).

Schizolochnus piniradiatae (Davidson) Woolly Pine Needle Aphid

Union Creek 21.V.59 on P. ponderosa (Gentner leg -- Hottes det).

Prospect 21.V.59 on P. ponderosa (Gentner leg -- Hottes det).

Siskiyou 15.X.59 on P. ponderosa (Gentner leg -- Hottes det).

Corvallis 28.IV.41 on Pinus ponderosa (Schuh leg -- EOE det).

Portland 26.X.69 on P. contorta (Gray leg -- Dickson det).

Schizolachnus sp.

Chemult 16.X.64 on Pinus contorta (Ken Goeden leg). The collection consisted of a few oviparae and 1 male.

THE COURSE MENT TO PRINTERS, BOTHER IS NOT I COME

Bec Vary 70 p. 13).

11 Vess in Se para et me the there are a constant

(define Herriga (Centino) en P. Herr)

15.K.59 on P. popularets (Gentier eg

Schiel Lachard op. De.: orren Chia

0.TV 70 or Sunch runs 'Gray to -- Odekman seth 7.V.1 na controvis "consles" (Lares reserved) as the controvis "consles" (Lares reserved)

19. VI. 66 on P. congress a (Schooleg & det)

. tron 2 get dered) water wast no 24.VS.

. 5.17.64 on worth prov. (Largon ice. ucramy Ersory 20.79 m otch plus (Largon).

3. IV. ba on Scotch pine (Lausor

W. 65 on Firms sp. (Lacaco).

Schizolochung piolosiismus (Dorikanus) Woolly Pine Henric April

.V.39 on P. scotterosa (General Let .. Mattan det

1.V.59 on P. ponderosa (Gentusy led Hotted det

5.X.59 c) F. ponder our (Lactual 10g -- notices dor).

B.IV.Al on Pisus popularose (Schub leg - Not det)

6.8.69 on P. dontorta (Ora: leg -- Okieros def)

.con contestestes ap.

e concorda (Men Chelen log). The milection a for oviparas and main. Stegophylla essigi Hille Ris Lambers

Gresham 16.VII.45 on Quercus garryana (Schuh leg -- CFS det).

Stegophylla quercifoliae Gillette

Roseburg 20.VI.50 on Quercus garryana (J R Parker leg -- Crumb det).

Medford 21.V.56 on Q. garryana (Gentner leg -- EOE det).

Symydobius macrostachyae Essig

Portland 18. IV. 40 on Salix sp. (Schuh leg -- EOE det).

Takecallis arundinariae (Essig)

Roseburg 13.VIII.56 on bamboo no coll given 3 specimens in USNM.

Tamalia coweni (Cockerell) Manzanita Leaf-gall Aphid

- Breitenbush Lake on galls of Arctostaphylos nevadensis and A. patula (Schuh leg -- EOE det); 9.VIII.41 on A. canescens (Schuh leg -- EOE det).
- Bend 9.VIII.41 on Arctostaphylos sp. and 7.VIII.41 on Arctostaphylos patula (Schuh leg -- EOE det).
- Portland 29.VIII.67 on A. urvi-ursi (Gray leg -- Dickson); 30.I.53 on manzanita galls on leaves (Hans Nicolaison Rept -- Palmet det).
- Mt. Ashland 6000 ft 20.VIII.50 on manzanita (Gentner leg -- EOE det).

Thecabius populimonilis (Riley) Beadlike Cottonwood Gall Aphid

- Detroit, 18 mi E of Detroit 6.VIII.41 ex marginal leaf gall of *Populus sp.* (Schuh leg -- EOE det).
- Fish Lake 6.VIII.41 ex marginal leaf gall on Populus sp. (Schuh leg -- EOE det).
- Prospect 11 mi N of 7.VIII.41 plant as above (Schuh leg -- EOE det).
- Portland 8.V.41 leaf galls on *P. trichocarpa* (Schuh leg -- EOE det with query); 18-20.VIII.07 very common on leaves of

cretrona data the filt and forces

Stepophylle quercifults Olliotta

20.VI.50 Quercus carryana (1 R Parke: 19t truth 997).

V-56 on Q. garryana (Centre: ,cg --) on :

Symptobius macrostochypo maig bilv. 40 on Salix sp. (Stoub log - how dot)

Tabaccilis nindicarine (Invits)

prist as sweeters a north floo or codeed no 55.11W.81 ;

Tamelis owner: (Cochercil)

lake on galla of Arctostaphyl - swadancia and A pounta count leg -- BOE det); 9.VIII.CE on A. - sagran- (Schul .eg. let),

.41 on Arccorcaphylog sp. and 7.71711411 on Armone, obegan

[1 29.VIII.67 on A. urvi-urui (Gray log -- Dichen); 33.1.33 .m. its galls on leaves (Mana Michigann Repr -- Princes on.

lane 6000 fr 20.VIII.50 on maneantra (Cantner leg -- 508 der),

Thecebius populimonulus (Elley)
Beadific Cottonwood Call Apbid

is mi E of Detroit 6.VIII.61 ex surnined leef gall of Asymlus op. Schull leg -- EO det).

a b.Vill.41 am sarginal lest gall on Aspeles op. (Schuh leg -- m det).

at N of P.VIII.Al plant as above (Sebuh log -- NOE dat).

gall "i ?. trinhooning (St huh leg -- EOE de 18-20, 111 07 vary noumen on lanves of

D. Carlo

P. trichocarpa (Gillette 1909:356).

Thelaxes californica (Davidson) Oak Bud Aphid

Medford 30.IV.73 medium on California Black oak (Don Berry leg -- Kono det).

Talent 10.V.57 on Acer macrophyllum (Gentner leg -- EOE det).

Therioaphis maculata (Buckton) Spotted Alfalfa Aphid

First record for this State. Gilliam Co, Morrow Co, and Umatilla Co known to be infested as of Oct 10, 1958. Economic damage (light) noted on only two fields in the Butler Creek area in Umatilla Co. Infestation scattered throughout area. Damage is occurring to susceptible varieties. Presence of the aphid in SE Wasco Co 7 miles from the Jefferson Co line. Many infestations in Umatilla Co often serious enough to delay plant development in the spring of 1959. (Reported by J. Capizzi in USDA's Scientific Record System).

Reported by Robt W Every (det LMR) Hermiston, Umatilla Co 15.IX.58. (Source of information as above).

Oregon State Dept Agr reports (Oct 1971) as follows: S E Wasco Co 1958; North Central Wheeler Co 1959; East half of Gilliam Co 1958; all alfalfa growing areas of Morrow and Umatilla Counties 1958; N E Malheur Co 1959; Medford and Jacksonville area of Jackson Co 1960.

"Found in Big Bend area of Malheur County September 22; first record in the County (N Waters)." (CEIR 10(41): 944, Oct 7, 1960).

"Infesting fields of alfalfa in Table Rock area of Jackson County Nov 4.

This is first record for this county and in Southern part of
State (Winters)." (CEIR 10(45):1088, Nov 18, 1960).

"Spotted alfalfa aphid apparently overwintered successfully in Umatilla County, OREGON as rare specimens could be found during most winter months. However, populations did not reach economic numbers in Oregon except near Umapine, Umatilla County, in late August.

On June 18 wingless specimens were collected in Jackson County alfalfa and populations built up rapidly. Formation of honey-dew in quantity and controls were undertaken to save hay crops. Populations continued high during the last cutting period. In the Ontario growing area of Malheur County aphids were dispersed from the State line to Huntington, Baker County, and Harper, Malheur County. Populations were sub-economic." (CEIR 12(9): 143, March 2, 1962).

(21170010 1000 235)

(restroct) , tarefalles assolate

20. IV 73 madium on California Els ona (Dra Regry on --

m (%) per secretal multiples and cost of 10.4.51

Threshoends esculates (Sueld va

d by Robe W Swery (den LM) Harmiston mottll to 15.23 am.

Dept Ala seports (Oct 1977) as Pollotts:
Wasso Co 1958; both Control Macros of 1957 has bolt vs
Litas Co 1958; bi sitalia gravity areas of Moreow and Jose
tes 1958; il 5 Malheur to 1959; Hefford on acknowling
of Jordann Co 1959.

in Big Zend sees of Helbear County sequender 2. tiret resert the County (K Watersy." (CED 10(A)): Meb. per 7, 1980).

fields of aliaifa to Table Soul hea of Jackson Cores and lesting record for this ourty and in Southe part of are (Wisters) " (GWIR 10(W5)): 1088, Now 18, 1988)

epperuncly overwindered successful in fracilities as sere spectime could be found during most uithe scient enonomic ruscess.

As sere with not coact, in late augment, the late augment, the late augment, the late augment of the series of the sere as a series of the sere as a series of the sere and the coact the series of the sere and the series of the

"With the possible exception of Jackson County economic populations seem to occur only in the fall of the year leading us to believe for several years that the aphid did not overwinter in the infested areas of Wasco, Wheeler, Gilliam, Morrow, Umatilla, Malheur and Jackson Counties. In recent year (since 1960) however through more diligent searching we have found very small numbers during April in most of the above Counties." (In litt to MDL from State Dept Agr, Salem, Oregon dated Oct 29, 1971).

Therioaphis riehmi (Boerner) Sweetclover Aphid

Between Redmond and Bend 10.V.56 on sweetclover (Kenneth Goeden Rept -- LMR det). "Damage was insignificant, only 6 apterous females collected on this date."

Therioaphis trifolii (Monell) Yellow Clover Aphid

Hermiston 26.IX.68 on alfalfa (Gray leg -- HRL det).

Thripsaphis verrucosa Gillette

Crescent Lake (Klamath Co) 2.IX.62 on Carex sp. (Schuh & Vertrees leg -- CFS det).

Tinocallis platani (Kaltenbach) (Formerly Melanocallis pulchellus (Glendenning))

Corvallis 6.IX.34 (Dimick leg); 14.VI.37 (Vertrees leg); 4.VI.39 (R G Rosensteil leg); 29.VI.42 (Schuh leg); 24.IV.41 (Schuh leg) -- all on Ulmus americana and ANT, AGR, TLB det).

Tinocallis ulmifolii (Monell) (Has also been placed in Myzocallis and Tuberculatus) Elm Leaf Aphid

- Corvallis 24.X.35 on elm (Ferguson leg -- ANT det); 4.V.39 (Rosensteil leg ANT det).
- Ogden Canon 4.VI.37 and Corvallis 21.VI.39 on *Ulmus americana* (Knlt in M S 387:4).
- Medford 6.VII.50 and 24.VII.53 on elm (Gentner leg -- EOE det).

or ordering of the fall of the gran was empaled has an ordered of the fall of the gran leading as no bestern at yours that the applied aid not createred to be affected of Masco, Wheeler, Cillian, Morrow, Harritan Nathern on Counties, in recent year (since 1960) however natural and filgent searching we have found were exactly combern testing bost of the above Counties. (As little to MUS, real Stere of Salam, Oregon dated Oct 19, 1971).

(repression range and the control of the control of

I dword and Bond 10 V.56 on succiciones (Recenth Consent Laps det). "Demage was testpullicant, only E succious for silected on this date."

Thertosulus trifolii (Monell) le.iov Clover Aphid

26.LK.68 on alfalla (Gray leg - hill dof)

The feathful commons Ciliana

t Lake (Klamath Co) 2. IK. b2 on dates op. (Krhuh & Vertreum ou RS det).

Figure 11 or and the state of t

is 5.IX.34 (Dimick leg), 14.VI.37 (Vartroom leg); 3.VI.19
R C Romensteil leg); 2V.VI.41 (Rebut leg); 24.IV 41 (Schut leg)
I on ulmuk sumarkonna and ANT, AGR, TCB der),

(Has also been placed to Mysocallts and Tukerculatus)
(Has also been placed to Mysocallts and Tukerculatus)

u 26.K.35 on elm (Perguson leg -- ANI det); 4. .39 (Rosmartel)

m. FCCW and Corvelle 21.VL.39 on Clare described bas (FCC) and 387:0).

1 26. VII. 53 cu elm (Contror lag -- 206 decl.

Toxoptera aurantii (Fonscolombe) Black Citrus Aphid

Portland 21.V.67 on Camellia sp. (Gray leg -- Dickson det).

Metzger 25.V.45, 26.IV.45, 9.II.45 and (9.VII.45 on Camellia sp. (Schuh leg -- AGR det).

Multnomah 7.II.45 and 12.VII.46 on Camellia sp. (Schuh leg -- AGR det).

Trama rara Mordvilko

Corvallis July 1951 no plant given (Amen leg -- CFS det).

Tubercoloides maureri Swain

Medford 2, 29.V.56 on Quercus californica (Gentner leg -- EOE det);
 9.V.57 on Q. garryana (Gentner leg -- EOE det).

Tuberolachnus salignus (Gmelin)
(Has also been placed in Lachnus and Tuberolachnus)
Giant Willow Aphid

Scappoose 7.VI. and 7.VIII.36 on Salix sp. (Schuh leg -- ANT det).

Portland 17.IX.43 on weeping willow (P W Mason det in Survey in Vicinity of Ports of Entry 1943-1944); 31.X.44 on Salix sp. (Mason det as above).

Ranch near Klamath Falls 23.X.71 in mixed duff (Schuh leg -- AGR det).

Phoenix 9.X.56 on weeping willow (Gentner leg -- EOE det).

Utamphorophora humboldti (Essig)

Gresham 25.V.42 on Physocarpus capitatus (Schuh leg -- AGR det).

Vacuna californica Davidson

Dee 3.V.41 on Quercus garryana (H E Morrison leg -- EOE det).

Corvallis 15.V.51 on oak (Amen leg -- EOE det).

(Acceptance of the Annie (Bonnalmush)

21. 7. 57 on Cascille sp. (Graving -- Pictora dat).

7. 11. 45 and 12. VII. 46 on Town 13 a vs . 30

Minister and consent

TULY 1951 OF THE 21 1AL 28 113 900)

ANY TOOTHOW DOON CEOCHARD

2, 29 V.56 on Operous and Paints (Courses) wg - 188 %

Tobero. searus and services (Jerile)
(Has also been placed in Lachung and lungral)
(Grant Matter Author

7.71. and 7.7111.36 on Salis at (Schub log -- .001).

ass 13.1%.0 on Saldr sp. (Schult Le. - ECI lot - (.4). . babolopica (Schub leg - EDG unic)

der he abovel.

Klamach Polla 23.K.71 to mimed dwill (School las . AGE

Utennibera himioldus (Koste)

23.V.42 on Physiconspus represents (Schub Log - ACR dec).

r from a california as But them

garryana (n 8 Merryana 102 -- 1132 401).

V. 51 on onk (Amon ley -- 10% det).

Wahlgreniella sp. (probably undescribed)

Portland 15.V.68 on Arctostaphylos urvi-ursi (Gray leg -- Dickson det).

Wahlgreniella nervata (Gillette) (Formerly in Amphorphora) Rose & Barberry Aphid

Bend 7. VIII.41 on Arctostaphylos patula (Schuh leg -- EOE det).

Yachats 19 mi S of 4.VI.41 on A. columbiana (Schuh leg -- EOE det).

Grants Pass ? date on Arbutus menzeisi (Schuh leg -- EOE det).

Trail 7.VI.41 on Arctostaphylos sp. (Schuh leg -- EOE det).

Salem, in City Hall, 6.X.70 on Portugese laurel (Larson Rept --Kono
 det) -- 1 Pteromalid parasite, Pachyneuron sp. "A pink species
 with a few bright green specimens. Massed along stems and also
 abundant on underside of leaves."

Freewater 1.V.42 on roses (D R Maddock leg -- Knlt det).

Klamath Falls 29.VI.49 on rose (Crumb leg -- AGR det).

Talent 11.VI.47 accidental on pear leaves (Gentner leg -- EOE det).

Medford 21.VI.59 accidental on Rhododendron (Gentner leg -- EOE det);
30.IV.58 on primrose leaves (Gentner leg -- EOE det).

Mt. Ashland 20.VIII.50 on manzanita (Gentner leg -- EOE det).

Wahlgreniella nervata vaccinii (Theobald)

Rhododendron, 12 mi E of, 2.VII.42 on Arctostaphylos columbiana (Schuh leg -- AGR det).

. All more in that we, to the all windered head

o leng-lyan eliphopaten are all e. e. e.

6402 Person of Consecutive in Ambherone

'PIELAL or Arcadempholos sucula (Subut

alf misses A VI.A) on v. capril & imparts la

J rivide (1) to the support of the control of the c

(fold fold - g die[63] we animonother as IA.TV.V

in Cary Hall, 5.2.70 on Perturers town Jerson Rest Rest Set) — 1 Frestomilid persetts, partup ith sp. 2 of 518 with a few bright green speciment. Mark with a sens or inschanged an advantage of the bounded on the bounders.

L.V.A2 on ruses (U. h. Maddock lost Mais day).

Palls -- get dereit agon no (A. P. 2018)

1 .VI. 47 accidental on peat leads (Genther les Park En

21.VI.59 accidental on Phododoniana (Gentina. y - LA 192); 3.IV.55 on primora leaves (Gentine leg - a +6)

a ene 20 Blil.50 op manganita (Newtre) leg - els det)

Make greated to percent recorded (Theorem

and ob. 12 ml 2 of, 2.VII.A2 we Arcenscophylos solum

REFERENCES

Gillette, C.P.

1909. Plant Louse notes, Family Aphididae; Plant 12. Jour. Econ. Ent. 2:361-357.

Knowlton, Geo. F.

- 1952, April. Utah Agr. Exp. Sta. and State Univ. Ext. Service Mimeo Series 357.
- 1957, Dec. Ibid Mimeo Series 164 and 1958, Nov. Ibid Mimeo Series 171.

Schuh, Joe and Don C. Mote

1948. Insect pests of Nursery and Ornamental Trees and Shrubs in Oregon. Oregon Agr. Exp. Sta. Bull. 449. On pp. 28 - 33 is a list of 112 species of aphids and the plants they affect. These data are included in the "List of Aphids".

Wilson, H. F.

- 1912 a. Aphid notes from Oregon. Can. Ent. 44:153-159; 191-194.
- 1912 b. A new aphid from Oregon. Can. Ent. 44:302-303.
- 1915. Miscellaneous aphid notes, chiefly from Oregon. Trans. Am. Ent. Soc. 41:85-108.
- 1919. Three new lachnids and notes on three others. Ent. News 2:351-357.

FREE ENTRINES B

Plant Lance suces Parily Achdidas; or so to

. Cao. F.

Misson Series 350 cm Stat Da Bre. Mrs. Misson Series

957. Dec. Ibid Misse Series 164 and 1914 ().

e tort W mod has sot

Insect peach of Moreory and uccess toll on the Sacran in Oregon. Grayon and broken had a self on pp. 18 is a list of like spect. For third or it plan show friend those decaute for including the second of the second or in the second or in the second of the second or in the secon

. 5 . 10

114 8. Aphid cotes fire cregor. Cas Fac. 54:153-159, 191-194

9: b. A new aphid from Oregon Can. For \$4:509-309.

Miscallmorvus apold notes, chia. rg : om Jesy m Trama. Am. Ant. boc. 41:55-138.

119. Three new Lackurids and weter on inters orbits. Ent. News 7:731-157.

LIST OF FOOD PLANTS

Abies sp. (Fir)
Cinara curvipes
Cinara occidentalis
Mindarus abietinus

Abies concolor (White Fir)
Cinara curtihirsuta
Cinara curvipes
Cinara knisa
Cinara occidentalis
Cinara schui
Cinara sonata
Cinara taxifoliae
Longistigma caryae

Abies grandis (not in SPN)
Cinara curvipes
Cinara gentneri
Cinara occidentalis

Abies lasiocarpa (Alpine Fir) Cinara chinookiana

Abies magnifica shastensis (Shasta Red Fir) Cinara setulosa Cinara sonata

Abies procera (Noble Fir) Cinara curvipes

Acer sp. (Maple)
Chaitophorus aceris
Drepanaphis acerifolii
Drepanosiphum platanoides
Periphyllus californicus
Periphyllus lyropictus
Periphyllus testudinaceus

Acer sp. (Oregon Maple) not in SPN Drepanosiphum platanoides Periphyllus testydinaceus

Acer circinatum (Vine Maple)
Chaitophorus aceris
Drepanosiphum oregonensis
Periphyllus americanus
Periphyllus californiensis
Periphyllus lyropictus

Acer macrophyllus (Oregon Bigleaf Maple)
Drepanosiphum oregonensis
Periphyllus californiensis
Periphyllus lyropictus
Periphyllus testudinaceus
Thelaxes californicum

Acer negundo (Boxelder)
Periphyllus negundinis

Acer platanoides (Norway Maple) Periphyllus californiensis Periphyllus lyropictus

Acer pseudoplatanus (Sycamore Maple)
Drepanosiphum platanoides

Acer (dasycarpum) saccarinum (Silver Maple) Aphis fabae Drepanaphis acerifolii

Achillea sp. (Yarrow)
Brachycaudus helichrysi

Achillea millefolium (Common Yarrow) Aphis middletoni Dactynotus erigeronensis

African Daisy -- see Lonas

Agropyron spicatum (Bearded Bluebunch Wheatgrass) Forda trivialis

Agrostis sp. (Bentgrass)
Prociphilus alnifoliae alnifoliae
Rhopalosiphum sp.

Alder -- See Alnus

Alfalfa -- see Medicago sativa

Alfilaria -- see Erodium

Alnus sp. (Alder) Euceraphis gillettei Oestlundiella flava es in A Iga

1101

(318)

curvines ...

secidentalis

lare bletinus

color (brita Fir)
TH CHRISTER : A
TH CHRIST
TH COCKETCEL:
Schul
Schul

rendla (not in SPN.

rentvipe:
genture:
conideralia

siocarpa (Alphos Pir)

Rollica chortenela ta Rad Fir) ta Batulosa t. eo. g.

seers (Moble Pla

(Maple)
Tophorus corris
Tophorus acerifolis
TOBLES acerifolis
TOBL

(Oragon Maple) not un SPI mostphum platamethes obyllus tastycinaceus

tcinacuma (Vine Maple)
tcphorve seris
ansiehum oregonemyis
tus talkicratensis

W.ZAGGZEE

hassownch Phontas Forda crivialia

Agrosus sp. (FR, ... Froctphilus fly Thepal stabul sp

numia ses atobia

Alfalfa -- and Mod.

Di well soo - Elistith

Alaus sp. (Alter) Enceraphis gillered Vestlundialle flata Alnus rubra (Red Alder) Euceraphis flava Myzocallis alni

Althaea rosea (Hollyhock) Aphis helianthi Macrosiphum eoessigi

Amaranthus retrofexus
(Redroot Amaranth)
Aphis gossypii
Macrosiphum euphorbiae
Myzus persicae
Nasonovia lactucae

Amaranthus sp. (Pigweed)
Aphis helianthi

Amelanchier alnifolia (Saskatoon Serviceberry or Shadbrush) Acyrthosiphon macrosiphum Aphis sensoriata Prociphilus alnifolia litchii

Amelanchier flonida
Acyrthosiphon macrosiphum

Amsinkia sp. (Fiddleneck) Brachycaudus helichrysi

Amsinkia intermedia Brachycaudus helichrysi

Anaphalis margaritacea (Common Pearly Everlasting) Dactynotus russellae Macrosiphum euphorbiae Masonaphis richardsi

Anethum graveolens (Dill) Cavariella aegopodii

Angelica handersoni (Angelica) Aphis heraclella

Anthemis cotula (Dogfennell or Mayweed) Brachycaudus helichrysi Macrosiphum euphorbiae Antirrhinum sp. (Snapdragon) Macrosiphum euphorbiae Myzus lythri Myzus persicae

Apium graveolens (Celery)
Aphis heraclella
Cavariella aegopodii
Cavariella archangelicae
Cavariella essigi
Neomysus circumflexus
Rhopalosiphum sp.

Apocynum cannabinum (Drybone) Myzus persicae

Apple -- see Malus pumila

Apricot -- see Prunus armeniaca

Aquilegia sp. (Cult. Columbine) Macrosiphum euphorbiae

Aquilegia formosa (Sitka Columbine) Kakimia essigi

Araujia sericifera (Bladderflower)
Aphis nerii

Arborvitae -- see Thuja

Arbutus manziesi (Pacifica Madrone) Wahlgreniella nervata

Arctium sp. (Burdock)
Aphis fabae

Arctostaphylos sp. (Manzanita) Tamalia coweni Wahlgreniella nervata

Arctostaphylos cabescens (Hoary Manzanita) Tamalis coweni

Arctostaphylos columbiana (Hairy Manzanita) Wahlgreniella nervata

Arctostaphylos nevadensis (Pinemat Manzanita)

Arctostaphylos patula (Greenleaf Manzanita) Tamalia coweni Wahlgreniella nervata

Arctostaphylos uva-ursi (Bearberry or Kinnikinick) Tamalia coweni Wahlgreniella sp.

Arrhenathemum elatius (Tall Oatgrass) Macrosiphum avenae

Arrowhead -- see Saggitaria

Artemisia sp. (Sagebrush) Macrosiphoniella ludovicianae

Artemisia ludoviciana typica Artemisaphis artemisicola

Artemisia suksdorfii Brachycaudus helichrysi Macrosiphoniella ludovicianae

Artemisia tridentata (Big Sagebrush)
Aphis artemisicola
Aphis filifoliae
Aphis frigidae
Aphis hermistonii
Aphis oregonensis
Aphis reticulata
Artemisaphis artemisicola
Chaitophorus tridentatus
Macrosiphum artemisiae
Macrosiphum frigidae
Macrosiphum oregonensis
Microsiphum artemisiae
Microsiphum artemisiae
Microsiphum artemisiae

Artemisia vulgaris (Mugwort) Macrosiphum artemisicola Macrosiphoniella ludovicianae

Artichoke, Globe -- see Cynara scolymus

Asclepias mexicana Aphis nerii Ash -- see Fraxinus

Asparagus officinalis (Garden asparagus) Acyrthosiphon pisum Aphis craccivora Macrosiphum pallidum

Asparagus sprengeri Myzus ornatus Myzus persicae

Aspen -- see Populus tremuloides

Aster sp.
Brachycaudus helichrysi
Dactynotus ambrosiae

Astragalus sp. (Locoweed)
Aphis craccivora

Atriplex sp. (Saltbush)
Brachycolus atriplicis

Austrian Pea (Pisum sp.) Acyrthosiphon pisum

Avena sativa (Oat)
Macrosiphum avenae
Metopolophium dirhodum

Azalea sp.
Acyrthosiphon solani

Baccaris pilularis (Kidneywort Baccharis) Aphis fabae

Balsamorhiza sarcyana (not in SPN)
Dactynotus sp.

Barberry -- see Berberis

Barley -- see Hordeum

Batchelorsbuttons -- see Centaurea

Bean, string -- see Phaseolus vulgaris

Beargrass -- see Xerophyllum

Bechel's Crab -- see Malus ioensis

Beech -- see Fagus

Beet -- see Beta

Beggarticks -- see Bidens

Begonia sp. (Tuberous) Acyrthosiphon solani

Bentgrass -- see Agrostis

Berberis aquifolium -- see Mahonia aquifolium

Berberis sp.
Liosomaphis berberidis

Beta saccharifera (Sugar Beet)
Aphis fabae
Macrosiphum euphorbiae
Myzus persicae
Pemphigus populivenae

Beta vulgaris (Beet)
Macrosiphum euphorbiae
Myzus persicae
Pemphigus populitransversus

Beta vulgaris var. cicala (Swiss Chard) Aphis fabae Myzus persicae

Beta vulgaris var. (Mangel) Pemphigus balsamifera

Betula sp. (Birch)
Euceraphis punctipennis

Betula laciniata lenta (Cutleaf Birch) Euceraphis punctipennis

Bidens cernua (Beggarticks) Brachycaudus helichrysi

Bird-of-Paradise Flower -- see Strelitzia

Birch -- see Betula

Bird Rape -- see Brassica campestris

Blackberry -- see Rubus

Bluebells -- see Mertensia

Bluegrass -- see Poa

Bracken -- see Pteridium

Brassica sp. (Mustard)
Brevicoryne brassicae
Lippaphis erysimi or
Hyadaphis pseudobrassicae
Macrosiphum euphorbiae
Myzus persicae

Brassica campestris (Bird Rape)
Aphis armoraceae
Brevicoryny brassicae
Hyadaphis pseudobrassicae
Myzus persicae

Brassica chinensis (Pakchoi or Chinese Cabbage) Brevicoryne brassicae

Brassica nigra (Black Mustard) Acyrthosiphon solani

Brassica oleracea acephala var. viridia (Kale) Brevicoryne brassicae

Brassica oleracae var. botrytis (Broccoli) Brevicoryne brassicae Hyadaphis pseudobrassicae Macrosiphum euphorbiae

Brassica oleracea var. capitata (Cabbage) Brevicoryne brassicae Hyadaphis pseudobrassicae Myzus persicae

Brassica oleracea var. gemmifera (Brussels Sprouts) Brevicoryne brassicae

Brassica rapa (Turnip) Brevicoryne brassicae Myzus persicae

Bresnia schreberi (Watershield) Rhopalosiphum nymphae

Bristlethistle -- see Carduus americana

Broccoli -- see Brassica oleracea var. botrytis

Brodiaea pulchella Myzus persicae

Bromus sp. (Brome Grass) Macrosiphum avenae

Bur-Clover -- see Medicago hispida

Burdock -- see Arctium

Burnet -- see Sanguisorba

Buttercup -- see Ranunculus

Boxwood -- see Buxus

Buckthorn -- see Rhamnus

Buxus sp. (Boxwood) Aphis fabae

Calendula sp.
Aphis fabae

Camellia sp.

Myzus persicae

Neomyzus circumflexus

Toxoptera aurantii

Candytuft -- see Iberis

Cantaloupe -- see Cucumis melo cantaloupensis

Capsella bursapastoria (Shepard's Purse) Aphis fabae Macrosiphum euphorbiae Capsicum frutescens (Red Pepper)
Aphis fabae
Macrosiphum euphorbiae
Myzus persicae

Caragana sp.
Aphis craccivora

Carduus sp. (Thistle)
Brachycaudus cardui

Carduus americana (Bristlethistle) Aphis fabae Brachycaudus cardui

Carex sp. (Sedge)
Thripsaphis varrucosa

Carnation -- see Dianthus

Carrot -- see Daucus

Carthamus tinctorius (Safflower)
Aphis fabae

Cat's ear -- see Hypochoeris

Cattail -- see Typha

Ceanothus sp.
Neomyzus circumflexus

Ceanothus intergerrimus
Aphis ceanothi

Ceanothus sanguinae Aphis ceanothi

Ceanothus thysiflorus Aphis ceanothi

Ceanothus velutinus Aphis ceanothi

Cedar -- see Cedrus

Cedrus sp. (Cedar)
Cinara juniperensis

Cedrus deodara (Deodar Cedar) Cinara curvipes

-ae-

Celery -- see Apium

Centaurea cyanea (Cornflower or Batchelorsbuttons) Aphis fabae Brachycaudus cardui

Centranthus ruber
Macrosiphum rosae

Cerastium arvense (Starry Cerastium) Acyrthosiphon solani

Cerastium vulgatum Acyrthosiphon solani

Chaenomeles japonica (Flowering Japanese Quince) Acyrthosiphon solani Macrosiphum euphorbiae

Chenopodium sp. (Lambsquarters) Brachycolus atriplicis

Chenopodium album (Lambsquarters or Pigweed)
Aphis fabae
Aphis helianthi
Brachycolus atriplicis
Myzus persicae
Pemphigus populivenae

Chenopodium fremontii (Fremont Goosefoot) Aphis sp. Aphis fabae

Cherry -- see Prunus

Cherry, Bitter -- see Prunus emarginata

Chinese Cabbage -- Brassica chinensis

Chickweed -- see Stellaria

Chokecherry -- see Prunus demissa

Chrysanthemum leucanthemum (Oxydaisy) Brachycaudus helichrysi

Chrysanthemum leucanthemum pinnatifidum (Field Oxydaisy) Macrosiphoniella sanborni

Chrysothamnus lanceolatus (Lanceleaf Rabbitbrush) Aphis chrysothamni

Chrysothamnus nauseosus (Rubber Rabbitbrush) Dactonotus escalanti

Chrysothamnus viscidiflorus (Douglas Rabbitbrush) Dactynotus escalanti Pleotrichophorus sp.

Cineraria, Common -- see Senecia cruenta

Cinquefoil -- Potentilla

Cirsium sp. (Thistle)
Brachycaudus cardui
Dactynotus ambrosiae
Myzus persicae

Cirsium americanum -- see C. centaurea or C. foliosum Aphis fabae

Cirsium arvense (Canada Thistle) Brachycaudus cardui

Cirsium centaurea (Elk Thistle)
Aphis fabae

Cirsium edule (Indian Thistle) Brachycaudus cardui Capitophorus elaeagni

Cirsium foliosum (Elk Thistle) Aphis fabae

Cirsium lanceolatum (vulgare) (Bull Thistle) Brachycaudus cardui

Clover, Crimson -- see Trifolium incarnatum var. elatius

Clover, Hop -- see Trifolium agrarium

Clover, Ladino -- see Trifolium
 repens forma gigantium

Clover, White -- see Melilota alba

Coleus sp.
Myzus ornatus

Columbine -- see Aguilegia

Cornus stolonifera Aphis cornifoliae

Corylus sp. (Filbert) Macrosiphum coryli Myzocallis coryli

Corylus california (California Filbert)

Cotoneaster sp.
Eriosoma lanigerum

Cotoneaster microphyllum Aphis pomi

Comarum palustris -- see Potentilla Cowparsnip -- see Heracleum palustris

Conium maculatum (Poison Hemlock)
Cavariella essigi
Cavariella pastinaceae
Hyadaphis foeniculi

Convolvulus arvensis (European Glorybind) Myzus persicae

Coriandum sp. (Coriander)
Aphis sp.
Cavariella aegodopii
Myzus persicae

Corn, Sweet -- see Zea mays var. saccharata

Cornflower -- see Centaurea

Cornus sp. (Dogwood)
Aphis cornifoliae
Aphis helianthi
Aphis neogillettei

Cornus occidentalis (Western Dogwood) Anoecia corni Aphis corniella Aphis nigrotibialis

Cornus pubescens
Aphis nigrotibialis

Crataegus oxycantha va. paulii (Paul's Scarlet Thorn) Macrosiphum euphoribae

Crepis sp. (Hawksbeard)
Dactynotus adenocaulae

Crepis setosa Macrosiphum euphorbiae

Cucumber -- see Cucumis sativa

Cucumis melo cantaloupensis (Cantaloupe) Aphis gossypii

Cucumis sativa (Cucumber)
Macrosiphum euphorbiae

Cucurbita maxima (Squash)
Acyrthosiphon solani
Aphis fabae
Aphis gossypii
Macrosiphum euphorbiae
Myzus persicae

Cudweed -- see Gnaphalium

Currant -- see Ribes

Cyclamen sp.
Aulacorthum solani
Myzus langei

Cynara scolymus (Globe Artichoke)
Aphis sp.

Cytisus scoparius (Scotch Broom)
Acyrthosiphon pisum
Aphis craccivora
Ctenocallis setosa

Dactylis glomerata (Orchardgrass) Amphorphora subterrans

Dame's Rocket - see Hesperis

Dandelion -- see Taraxacum

Daphne sp.
Macrosiphum sp. near daphnidis

Daucus sp. (Carrot) and
Pastinaceae (Parsnip)
Cavariella aegopodii
Dysaphis apiifolia
Dysaphis crataegi
Dysaphis tulipae
Myzus persicae

Daucus pusilla (South Western Carrot) Hyadaphis foeniculi

Deervetch -- see Lotus

Delphinium sp. (Larkspur)
Aphis sp.

Descurainia sophia (Flickweed Tansymustard)

Dianthus caryophyllus (Carnation) Myzus persicae

Digitalis purpurea (Common Foxglove) Acyrthosiphon solani

Dill -- see Anethum

Dipsacus fullonum (Fullers Teasel) Macrosiphum rosae Dipsacus sylvestris (Venuscup Teasel) Macrosiphum rosae

Dock -- see Rumex

Dogfennell -- see Anthemis cotula

Dogwood -- see Cornus

Douglas Fir -- see Pseudotsuga

Duckweed -- see Lemna

Easterlily -- see Lilium longiflorum

Echinocystus oregana -- see Megarrhiza oregana

Eggplant -- see Solanum melogena

Elaeagnus angustifolia (Russian Olive) Capitophorus elaeagni Capitophorus hippophoes

Elderberry -- see Sambucus

Elm -- see Ulmus

English Ivy -- see Hedera

Epilobium adenocaulum (Sticky Willowweed)

Epilobium angustifolium (Fireweed)
Aphis fabae
Aphis oenotherae
Macrosiphum euphorbiae

Epilobium franciscanum (Willowweed) Aphis oenotherae

Erechtites hieraceifolia (Australian Fireweed) Myzus ornatus

menten remoter ou dest en

are reading the fill of the second standard the second standard the second standard standard

Epilorium erm. (mac (W. Lowesco: Aphle cepathates

Brechticos hieraceric :s Ghaetralica Filtuson Hyans ornatus

in comm (Pullers Teage)

Erechtites prenanthoides
(Australian Fireweed)
Acyrthosiphon solani
Aphis fabae
Brachycaudus cardui
Brachycaudus helichrysi

Enigeron umbellatus Braggia eriogoni

Eriobotrya japonica (Loquat) Aphis spiraecola

Erodium cicutarium (Alfilaria) Macrosiphum zeroza

Euonymus sp.
Aphis fabae

Euonymus yedoensis Aphis fabae

Evening Primrose -- see Oenothera

Everlasting -- see Anaphalis

Fagus sp. (Beech) Phyllaphis fagi

Fagus sylvatica purpurae (Purple Beech) Phyllaphis fagi

False Hellebore -- see Veratrum

Fennell -- see Foeniculum

Fescue -- see Festuca

Festuca sp. (Fescue)
Forda trivialis
Macrosiphum avenae
Rhopalosiphum padi

Fieus sp. (Fig)
Aphis fabae

Fig -- see Fieus

Figwort -- see Scraphularia

Filbert -- see Corylus

Fir -- see Abies

Fireweed, Australian -- see Erechtites prenanthoides

Fireweed -- see Epilobium and Erechtites

Flowering Quince -- see Chaenomeles

Foeniculum vulgare (Common Fennell) Cavariella aegopodii Cavariella capreae

Foxglove -- see Digitalis

Fragaria sp. (Strawberry)
Acyrthosiphon solani
Aphis forbesi
Chaetosiphon fragifolii
Fimbriatus fimbriata
Macrosiphum euphoribiae
Macrosiphum harpagorubus
Macrosiphum rubiellum
Prociphilus americana

Fragaria bractiata (Bracted Strawberry) Chaetosiphon fraefolii

Fragaria chiloensis (Chilo Strawberry) Chaetosiphon fragaefolii

Franceria chamissonis bipinnatisecta (Bursage) Acyrthosiphon solani

Fraxinus latifolia Prociphilus americana

Fraxinus oregona (Oregon Ash) Pemphigus fraxinifolii Prociphilus americana

Fuchsia sp.
Aulacorthum solani
Myzus persicae

Geranium sp.
Acyrthosiphon pelargonii

eddiricomou (Gene II pel Bri reside - II eedel worse sulmasyf

er unbellaras

Oliya Aspenica (Lemmar)

efeutarium (Al?) erte)

. qe.

edecaeis

I Frinzosa ee see Deposnosa

isting -- see Anautal

er. (Baech) M. tyhis fagi

Verly time for utce willeby a fact

Tapare to act Accession

L per sue Ependeulus

Duissi Das --

ta sp. (Pescue) rd trivialis https://www.avenax https://www.avenax

200 Fr 1915

ness et

porter est as a constr-

yr Ltysco^s

FRA A: SD, tot sw. TD:
Active seals
Active forbest

Active forbest

Fleitsteus E:n.

Macristeus E:n.

Macristeus E:n.

Descrosu

Mrakarin bilonma Sindeloriyi Amerosiphon ii

fanceria chanisansi (bursage) Acyrthosiphus soloni

Fracina latifolia

Procedure Frankling Processing Pr

Websia ap.

Aulacosthus coloni

Wrus persicae

Geranium ep. Acyrrhosipava aslassmil Geranium molle - Acyrthosiphon pelargonii

Geum macrophyllum
Amphorophora rossi

Gilia aggregata (Skyrocket Gilia) Macrosiphum euphorbiae

Gilia capitata (Globe Gilia) Aphis

Gladiolus sp.
Aphis helianthi
Dysaphis tulipae
Macrosiphum avenae
Macrosiphum euphorbiae
Myzus persicae
Roeokia bakeri

Glycene soja (Soybean) Acyrthosiphon pisum

Gnaphalium purpureum
(Purple Cudweed)
Brachycaudus helichrysi

Goldenchain Tree -- see Laburnum anagyroides

Goldenrod -- see Solidago

Gooseberry -- see Grossularia

Goosefoot -- see Chenopodium

Grossularia sp. (Wild Gooseberry) Aphis ribigillettei

Grasses
Macrosiphum a

Macrosiphum avenae

Grass Roots
Forda formicaria
Forda marginata

Grindelia sp. (Gumweed)

Grindelia stricta (Gumweed) Amphorophora grindeliae Grossularia sp. (Gooseberry) Aphis grossulariae Kakimia houghtonensis

Groundcherry -- see Physalis

Groundsel -- see Senicio

Gromwell -- see Lithospermum

Gumweed -- see Grindelia

Hawksbear -- see Crepis

Hawkweed -- see Hieracium

Heart's-ease -- see Polygonum

Hedera helix (English Ivy) Aphis hederae

Helenium sp. (Sneezeweed)
Dactynotus tardae
Macrosiphum euphorbiae

Helenium autumnale (Common Sneezeweed) Dactynotus tardae

Helianthus annuus (Common Sunflower) Aphis fabae Myzus persicae

Helichrysum bracteatum (Strawflower) Acyrthosiphon solani Brachycaudus helichrysi

Helleborus sp. (Hellebore)
Aphis sp.

Hemlock -- see Tsuga

Heracleum lanatum (Common cowparsnip)
Aphis helianthi
Aphis heraclella
Cavariella essigi
Hyadaphis foeniculi

Hesperis matronalis (White Dame's Rocket)
Neomyzus circumflexus
Rhopalosiphoninus tupella

Hibiscus esculentis (Okra) Acyrthosiphon solani Macrosiphum euphorbiae

Hieracium albiflorum (White Hawkweed) Macrosiphum euphorbiae Neonasonovia sp.

Holly -- see Ilex

Hollyhock -- see Althaea

Honeysuckle -- see Lonicera

Hop -- see Humulus

Hop Clover -- see Trifolium
 agrarium

Horkelia fusca (not in SPN) ? Chaetosiphum fragaefolii

Hordeum vulgare (Barley)
Macrosiphum avenae
Metapolophium dirhodum
Rhopalosiphum maidis
Schizaphis graminum

Horsebean -- see Vicia faba equina

Horsebrush -- see Tetradimia

Humulus lupulus (Hop)
Acyrthosiphon pisum
Macrosiphum euphorbiae
Phorodon humuli

Hungarian Pea -- see Pisum sp.

Hydrophyllum tenuipes (Waterleaf)
Aphis sp.

Hypericum perforatum (St. Johnswort)
Aphis oenotherae

Hypochoeris radicata (Spotted Catsear)
? Macrosiphum euphorbiae

Iberis sp. (Candytuft, Perennial) Macrosiphum euphorbiae

Ilex sp. (Holly)
 Acyrthosiphon solani
 Myzus ornatus

Impatiens lecakarata (not in SPN)
Macrosiphum pallidum

Iris sp.

Dysaphis tulipae

Macrosiphum euphorbiae

Japanese Flowering Quince - see Chaenomeles japonica

Jerusalem Cherry -- see Solanum pseudocapsicum

Juglans sp. (Walnut)
Chromaphis jugandicola
Monelliopsis nigropunctata
Panaphis juglandis

Juglans nigra (Black Walnut) Monelliopsis caryae

Jublans regia (English Walnut) Chromaphis juglandicola

Juniperus sp. (Juniper)
? Cinara juniperia
Cinara juniperi
Cinara sibericae

Juniperus sabina var. fastigata ? Cinara juniperi Cinara siberica

Juniperus occidentalis (Sierra Juniper) Cinara rubicunda

Kale -- see Brassica olerocea (acephala) var. viridis

Laburnum sp.
Aphis craccivora

Laburnum (vulgare) anagyroides (Goldenchain Tree) Aphis craccivora

Laburnum watereri Leptotaenia multifida Aphid craccivora Aphis heraclella Lactuca sp. (Lettuce) Lettuce -- see Lactuca Nasonovia lactucae Pemphigus populitransversus Ligusticum apiifolium Cavariella aegopodii Lactuca sp. (Wild Lettuce) Cavariella capreae Macrosiphum euphorbiae Nasonovia lactucae Ligusticum grayi (Privet) Pemphigus bursarius Aphis helianthi Pemphigus populitransversus Lilium sp. (Lily) Lactuca sativa (Garden Lettuce) Aphis gossypii Acythosiphon lactucae Rhopalosiphum nymphaeae Acyrthosiphon solani ? Pemphigus bursarius Lilium sp. (Calla Lily) Neomyzus circumflexus Lactuca serriola (Prickly Lettuce) Dactynotus ambrosiae Lilium sp. (Craft Lily) Macrosiphum euphorbiae Myzus persicae Lambsquarter -- see Chenopodium Lilium sp. (Wild Lily) Macrosiphum scoliopi Larch -- see Larix Lilium formosanum (Formosa Lily) Larkspur -- see Delphinium Macrosiphum scoliopi Larix occidentalis (Western Larch) Lilium longiflorum (Easter Lily) Cinara laricifoliae Macrosiphum scoliopi Myzus persicae Lathyrus japonicus (maritimus) (Maritime Peavine) Lilium washingtonianum Macrosiphum creelii Neomyzus circumflexus Lathyrus litteralis (Beach Peavine) Linden -- see Tilia Macrosiphum creelii Linnaea borealis americana (American Turnflower) Lathyrus maritimus Masonaphis simpsoni Macrosiphum creelii Lithocarpus densiflorus (Tanoak) Lathyrus odoratus (Sweet Pea) Myzocallis pasaniae Acyrthosiphon pisum Lithosperum ruderale Laurestinus sp. (Wayside Gromwell) Aphis spiraecola Aphis lithospermi Laurus sp. Locoweed -- see Astragalus Wahlgreniella nervata Locust, Black -- see Robinia Lemna sp. (Duckweed)

Rhopalosiphum nymphaeae

enodincib sectors

a sp. (Lettuer) Omov a lacturae ob a populitroesser

a sp. (Wild Lettuce)
rosiphus euphorbies
la lactucae
sphigus bursarius
phigus populiiranoversus

a sativa (Garden Lettuce) thosiphen Letucee Thosipher seleni saphigus burearius

serricia (Prickly Lettuce) Vastus embrestes rosipus supporbies

arter -- see Chedopodium

trul 998

-- see Delphinium

ine dentalis (Western Larchi Laricifoline

> japonicus (meritimus) r time Peavine, RC iphum cresiii

s maritimur resiphur creelii

is odorates (Sweet Peaks

legivereest outrafilm

Legine - son - son lood

In Higs wattenald Engrape alternation

Light thous bear 127

Lillum so. (Li ; rona ;

Lilium of Maria Lil

Lillin ep. (Uret: Llly Mysus perci

Liltum e. 1913: Lile) Macrosleyus sooideei

Lilium inimosan ... (Porm

Macrosin w scotlers
Nacrosin w scotlers
Nacrosin w scotlers

Hiter washingtonigness Homerus Russ

Linden -- see Illia

Consea bores (a corlosar (America, Terus (occur) bescomphia simpson(

(Recor) curclikensb.sugrasedil.

(Mayaida Gromonii) Abhia lichosperm:

enlegersel ess. - bestood.

-101

Loganberry -- see Rubus loganobaccus

Lolium perenne (Perennial Ryegrass)
? Aphid

Lomatium triternatum (Nineleaf Lomatium) Aphis heraclella

Lonas inodora (African Daisy) Aphis sp. Myzus persicae

Lonicera sp. (Honeysuckle)
Hyadaphis foeniculi
Liosomaphis berberidis
Macrosiphum euphorbiae

Lonicera ciliosa Hyadaphis foeniculi

Lonicera involucrata
(Bearberry Honeysuckle)
Amphorophora bartholomewi
Kakimia canadensis
Rhopalosiphum grabhami

Lotus corniculatus (Birdsfoot Deervetch) Macrosiphum sp.

Lotus sp. (Birdsfoot Trefoil) Acyrthosiphon pisum

Lupinus sp. (Lupine)
Macrosiphum albifrons

Lupinus polyphyllus (Russel's Hybrid) ? Aphid

Lycopersicon esculentum (Tomato)
Acyrthosiphon solani
Macrosiphum euphorbiae
Myzus persicae

Madrone -- see Arbutus

Magnolia sp.
Acyrthosiphon solani

Mahonia aquiforium (Oregongrape) Liosomaphis berberidis Mallow -- see Malva

Malus sp. (Hopa Apple) Aphis pomi

Malus fasca (Oregon Crabapple) Eriosoma lanigerum

Malus ioenensis var. plena (Bechtel's Crab) Aphis pomi

Malus pumila (Apple)
Aphis pomi
Dysaphis plantaginea
Eriosoma lanigerum
Rhopalosiphum fitchii

Malva sp. (Mallow)
Aphis craccivora
Macrosiphum euphorbiae

Malva parviflora (Little Mallow) Myzus persicae

Malva rotundifolia Myzus persicae

Mangel -- see Beta vulgaris var.

Manzanita -- see Arctostaphylos

Maple -- see Acer

Marigold -- see Tagetes

Medicago hispida (Burclover) Acyrthosiphon pisum

Medicago sativa (Alfalfa)
Acyrthosiphon pisum
Aphis craccivora
Macrosiphum creelii
Therioaphis trifolii

Mayweed -- see Anthemis cotula

Megarrhiza oregana (Oregon Bigroot) Macrosiphum sp.

Melilotus alba (White Sweet Clover) Nicotiana quadrivalvis Acyrthosiphon pisum Macrosiphum euphorbiae Aphis craccivora Nightshade -- see Solanum dulcamara Mentha sp. (Mint) Brachycaudus maidiradicis Ninebark -- see Physocarpus Ovatus crataegarius Nymphaea sp. (Waterlily) Mentzelia albicaulis (Stickleaf) Rhopalosiphum nymphaeae Macrosiphum euphorbiae Macrosiphum mentzeliae Oak -- see Ouercus Mentzelia dispersa (Stickleaf) Oat -- see Avena sativa Aphid Oatgrass, Velvet -- see Mertensia sp. (Bluebells) Arrhenathemum Brachycaudus helichrysi Macrosiphum mertensiae Oenothera sarmentosa (Pacific Waterdropwort) or Evening Milkweed -- see Asclepias Primrose Cavariella aegopodii Mimulus guttatus (Common Monkey Flower) Oenothera biennis (Common Evening Primrose) Aphis sp. Aphis oestlundi Mint -- see Mentha Okra -- see Hibiscus esculentis Mockorange -- see Philadelphis Orchardgrass -- see Dactylis Monkeyflower -- see Mimulus Oregon Bigroot -- see Megarrhiza Moss Oregon Grape -- see Mahonia aquifolium Rhopalosiphum sp. Osmaronia cerasiformis (Osoberry or Mountain Ash European -- see Indian Plum) Sorbus aucuparia Osmorhiza chilensis (Sweetroot) Mugwort -- see Artemisia vulgaris Macrosiphum euphorbiae Mustard -- see Brassica sp. Osoberry -- see Osmaronia Narcissus sp. Osyedaisy -- see Chrysanthemum Myzus persicae Nasturtium officinale (Watercress) Oysterplant -- see Tragapogon Neomyzus circumflexus Paeonia sp. (Peony) Myzus langei Aphis fabae Nettle -- see Urtica Pakchoi -- see Brassica chinensis Nicotiana sp. (Tobacco) Pansy - see Viola Macrosiphum euphorbiae

Papaver sp. Aphis sp.

Papaver somniferum (Opium Poppy) Aphis fabae

Parsnip -- see Pastinaca sativa

Pastinaca sativa (Garden Parsnip) Acyrthosiphon solani Aphis sp.

Pastinaca pastinaca var. sylvestris (Wild Parsnip) Cavariella aegopodii

Paul's Scarlet Thorne -- see Crataegus oxycantha var. paulii

Pea -- see Pisum

Pea, Hungarian -- see Pisum sp.

Peach -- see Prunus persica

Pear -- see Pyrus communis

Peashrub -- see Caragana

Pennycress -- see Thlaspi arvensis

Peony -- see Paeonia

Pepper, Red -- see Capsicum

Perideridia (Carum) parishii (not in SPN) Hyadaphis foeniculi

Periwinkle -- see Vinca

Phaseolus vulgaris (String Bean)
Aphis craccivora
Aphis fabae
Aphis viburni
Macrosiphum euphorbiae
Neoceruraphis viburnicola
Myzus persicae
Rhopalosiphoninus latisiphon

Philadelphus sp. (mockorange) Aphis fabae Phragmites communis (Common Reed) Hylaopterus pruni

Physalis sp. (Groundcherry) Myzus persicae

Physocarpus capitatus (Pacific Ninebark) Aphis neilliae

Picea sp. (Spruce)
Cinara piceicola

Picea abies (Norway Spruce)
Cinara fornacula

Picea pungens (Colorado Spruce) Cinara engelmanniensis

Picea sitchensis (Sitka Spruce) Elatobium abietinum

Pigweed -- see Amaranthus

Pinus sp. (Pine)
Cinara medispinosa
Cinara oregonensis
Cinara pinea

Pinus albicaulis (Whitebark Pine)
Cinara anzai
Cinara inscripta
Cinara oregona
Essigella gillettei
Essigella hoerneri
Essigella oregonensis

Pinus contorta (Shore Pine)
Cinara brevispinosa
Cinara curvipes
Cinara medispinosa
Schizolachnus sp.
Schizolachnus pineti

Pinus monticola (Western White Pine) Cinara ferrisi Cinara hirsuta

Pinus mughus (Mugho Pine or Swiss Mountain Pine) Cinara pinea Schizolachnus sp. near pineti Schizolachnus pineti

Pinus ponderosa (Ponderosa Pine)
Cinara americana
Cinara curvipes
Cinara oregonensis
Cinara ponderosae
Cinara schwartzii
Essigella californica
Schizolachnus curvispinosus
Schizolachnus piniradiatae

Pinus sylvestris (Scotch Pine) Cinara medispinosa Cinara pinea Schizolachnus pineti Schizolachnus rileyi

Pisum sativum (Garden Pea) Acyrthosiphon pisum

Pisum sp. (Hungarian Pea) Acyrthosiphon pisum

Pisum sativum arvense (Field Pea or Winter Pea) Acyrthosiphon pisum Macrosiphum creelii

Pittosporum tobira Aphis pomi

Plantago sp. (Plantain)
Brachycaudus maidiradicis

Plum -- see Prunus

Plum, Indian -- see Osmaronia cerasiformis

Poa sp. (Bluegrass)

Macrosiphum avenae

Rhopalosiphum fitchii

Poa annua (Annual Bluegrass)
Macrosiphum avenae

Poison Hemlock -- see Conium

Polygonum sp. (Smartweed) Capitohporus hippophoes

Polygonum persicaria (Heart's-ease) Capitophorus elaeagni & hippophoes

Polystichum munitum (Western Swordfern) Macrosiphum sp.

Poplar -- see Populus

Populus sp. (Cottonwood)
Chaitophorus populifolii subsp.
neglectus

Populus sp. (Poplar)
Chaitophorus populifoliae
Pemphigus populicaulis
Pemphigus populimonilis
Pemphigus populitransversus
Pterocomma bicolor

Populus fremontii macrodisca (Silver City Poplar) Pemphigus populicaulis

Populus tremuloides (Aspen) Periphylus populicola Ptrecomma populifoliae

Populus trichocarpa (California
Poplar)
Chaitophorus populifolii
Pemphigus populicaulis
Pemphigus populivenae
Pterocomma bicolor
Pterocomma populifoliae
Thecabius populimonilis

Poppy, California -- see Papaver

Poppy, Opium -- see Papaver

Potato -- see Solanum tuberosum

Potentilla sp. (Cinquefoil) Chaetosiphon fragaefolii ? Macrosiphum potentillae

Potentilla anserina (Silverweed Cinquefoil) Chaetosiphon fragaefolii

Potentilla palustris (Marsh Cinquefoil) Macrosiphum euphorbiae

Primula sp. (Primrose)
Acyrthosiphon porosum
Acyrthosiphon solani
Wahlgreniella nervata

Privet -- see Ligustrum

Prune -- see Prunus

Prunus sp. (Prune)
Rhopalosiphum padi

Prunus sp. (Cherry)
Aphis cerasifoliae
Myzus cerasi
Rhopalosiphum cerasifoliae

Prunus sp. (Kwazan Cherry) Myzus cerasi

Prunus sp. (Plum)
Brachaudus cardui
Brachycaudus helichrysi
Hyalopterus pruni
Phorodon humuli
Rhopalosiphum padi

Prunus sp. (Prune)
Acyrthosiphon solani
Brachycaudus cardui
Hysterneura setariae
Myzus persicae
Pemphigus monophagus or tartasus
Phorodon humuli

Prunus americana Hyalopterus pruni Myzus persicae

Prunus armeniaca (Apricot)
Hyalopterus pruni
Phorodon humuli
Rhopalosiphum fitchii
Rhopalosiphum nymphaeae
Roepkea bakeri

Prunus blereiana Phorodon humuli

Prunus emarginate (Bitter Cherry) Hyalopterus pruni Myzus cerasi Rhopalosiphum nymphaeae

Prunus demissa virginiana (Common Chokecherry) Aphis cerasifoliae Macrosiphum euphorbiae Rhopalosiphum fitchii

Prunus mahaleb Aphis medicaginis

Prunus persica (Peach)

Brachycaudus persicicola
Brachycaudus helichrysi
Myzus persicae
Rhopalosiphum nymphaeae
Roepkea bakeri

Prunus subcaudata (Klamath Plum)
Brachycaudus cardui
Brachycaudus helichrysi
Macrosiphum euphorbiae
Rhopalosiphum padi
? Rhopalosiphum scirpifolii
Roepkea bakeri
Rhopalosiphum fitchii
Rhopalosiphum nymphaeae

Prunus pissardi var. vesuvius Phorodon humuli Rhopalosiphum nymphaeae

Pseudotsuga manziesii Rhizomaria piceae

Pseudotsuga taxifolia (Douglas Fir)
Cinara dubia
Cinara pseudotaxifoliae
Cinara pseudotsugae
Essigella wilsoni
Mindarus abietinum
Prociphilus americana

Pteridium aquilinum (Western Bracken) Macrosiphum pteridis

Purple Spike
? Macrosiphum euphorbiae

Pyrus sp. (Pear)
Acyrthosiphon solani
Aphis fabae
Aphis pomi
Dysaphis plantaginea
Eriosoma pyricola
Macrosiphum euphorbiae
Myzus persicae
Rhopalosiphum fitchii
Rhopalosiphum enigmae
Rhopalosiphum splendens
Wahlgreniella nervata

Pyrus sp. (Anjou Pear) Acyrthosiphum macrosiphum Fimbriaphis gentneri

Pyrus sp. Fimbriaphis gentneri Rhopalosiphum padi

Pyrus sp. (Comice Pear) Macrosiphum euphorbiae

Pyrus diversifolia -- see Malus fusca

Quercus sp. (0ak) Myzocallis discolor Tuberculoides annulata Vacuna californica

Quercus alba (White Oak) Prociphilus brumeliae

Quercus californica
Tuberculoides maureri

Quercus chrysolepis (Goldencup Oak or Canary Live Oak) Macrosiphum euphorbiae Myzocallis walshii

Quercus garryana (Oregon White Oak)
Myzocallis californicus
Stegophylla essig
Stegophylla quercifoliae
Tuberculoides maureri
Vacuna californica

Quercus kelloggii (California Black Oak) Myzocallis walshii Thelaxes californica

Quercus rubra (Red Oak) Prociphilus brumeliae

Rabbitbrush -- see Chrysothamnus

Ranunculus aquatalis (Watercrowfoot Buttercup) Rhopalosiphum nymphaeae

Ranunculus repens (Creeping
Buttercup)
? Prociphyllus sp. Acyrthosipon
solani

Radish -- see Raphanus

Raphanus sativa (Garden Radish) Ga Cavariella aegopodii Hyadaphis pseudobrassicae Myzus persicae

Raspberry -- see Rubus

Redpepper -- see Capsicum frutescens

Reed -- see Phragmites

Rhamnus purshiana eascara (Cascara Buckthorn) Aphis sp. Macrosiphum rhamni

Rheum rhaponticum (Rhubarb) Acyrthosiphon solani Macrosiphum euphorbiae

Rhubard -- see Rheum

Rhododendron sp. Wahlgreniella nervata

Rhododendron albiflorum (Cascades Azalea) Macrosiphum scoliopi

Rhododendron macrophyllus (Californicum) Coast Rhododendron Macrosiphum rhodendri

Ribes sp. (Currant, Wild)
Aphis sp.
Aphis neomexicana
Aphis varians
Cryptomyzus ribis
Kakimia cynosbati

Ribes cereum (Wax Currant) Aphis ribigillettei

Ribes sanguineum (Winter Currant) Kakimia sp.

Robinia sp. (Locust) Aphis craccivora

Robinia pseudoaccacia (Black Locust) Aphis craccivora

Rosa sp. (Rose)
Aphis fabae
Chaetosiphon fragaefolii
Macrosiphum auphorbiae
Macrosiphum rosae
Pterochlorus rosae
Wahlgreniella nervata

Rosa eleganteria (rubiginosa) (Sweetbriar Rose) Chaetosiphon frageifolii Chaetosiphon tetrarhodus

Rosa rubiginosa -- see Rosa eleganteria

Rubus sp. (Wild Blackberry)
Amphorophora agathonica
Amphorophora rubicumberlandi

Rubus sp. (Raspberry)
Amphorophora agathonica
Amphorophora sensoriata
Macrosiphum harpagorubus

Rubus laciniatus Macrosiphum rubiellum harpagorubus Rubus leucodermis (Whitebark Raspberry) Aphis rubifolii

Rubus loganobaccus (Loganberry) Nasonovia lactucae

Rubus macropetalus (Trailing Blackberry) Amphorophora agathonica

Rubus odoratus (Thimbleberry) Macrosiphum sp.

Rubus parviflorus (Western Thimbleberry) Amphorophora agathonica Aphhorophora rubicola Macrosiphum sp.

Rubus procera (Himalaya Blackberry)
Amphorophora agathonica
Amphorophora tiguatensa
Aphis rubifolii
Myzus persicae

Rubus thyrsanthus -- see R. procera

Rumex sp. (Dock)
Aphis rumicis
Myzus persicae

Rumex crispus (Curly Dock)
Aphis rumicis

Rumex obtusifolius (Broad-leaved Dock)
Aphis rumicis

Russian Olive -- see Elaeagnus

Ryegrass -- see Lolium

Sage -- see Salvia

Sagebrush -- see Artemisia

Saggitaria sp. (Arrowhead) Rhopalosiphum nymphaeae

num thedeadri
(Certus Wild)
sp.
vertere
vertere
cymosbert
ribert erter

FP. (Lecust) Grace ivora

Opseudoser: ... (Black Lorust .s crarcivors

(Bose),

tiloresert nonderfille enidades cadetsor executed to the service seen su to 1907

cancaria (rebininosa)
Libriar Rose)
Cosiphon frageifolis
Cosiphon fetrarhodus
Cosiphon fetrarhodus

(Wild Elackberry)
sphore egathenica
horophers ructnumberland.

mp. Raspberry)
hore iera agathumi, a
conhera acceptata
combus
combus

y itel

RT - ATTECH WAS AUTO 1955 AUT 11 STRAIN MAI

Argemes endin

Rubus na U arkas Adela rojeaje

- pr. Inim isosopr auduli riktu ioi iek

Ous parvil
Chisbleba
Emphoromborn as
Aphlorophors =
Macroslphs

Mayodiesie a (2) Ampodiesie a loelmoste, Amil rophur Acris rubiin Myzus pereico

nous thyreauthus

ducking or middle states and the services

Manes citapun G iris Sonk) Aphie ringkele

Rumen (occupationing Sympole Code)
Adula rumicia

Bussian Olive -- ur Flagara

Kyegrasa -- sea tollum

arvist see - myse

niniamist see -- doutdogot

Seggitaria ap. (Attoutono) Abopatesiphom nympanem

- O. C.

Saggitaria latifolia (Common Arrowhead) Rhopalosiphum nymphaeae

Salix sp. (Willow)
Aphis farinosa
Chaitophorus populellus
Chaitophorus salicicola
Macrosiphum californicum
Pterocomma bicolor
Pterocomma flocculosum
Pterocomma salicis
Pterocomma smithiae
Synydobius macrostachyae

Salix babylonica
(Weeping Willow)
Pterocomma salicis
Pterocomma smithiae
Pterocomma populifoliae
Tuberolachnus salignus

Salsify -- see Tragopogon

Saltbrush -- see Atriplex

Salvia sp. (Sage)
Macrosiphum canadensis
Macrosiphum sp.

Sambucus sp. (Elderberry or Elder)
Macrosiphum sp.
Macrosiphum staneyi
Myzus sp.

Sambucus callicarpa (Pacific Red Elder) Aphis sambucifoliae

Sambucus cerulea (Blueberry Elder) Aphis ambucifoliae

Sambucus racemosa (European Red Elder) Acyrthosiphon solani Macrosiphum stanleyi

Sanguisorba sp. (Burnet) Acyrthosiphon solani

Scotch Broom -- see Cytiscus

Scrophularia lanceolata (Lanceleaf Figwort) Macrosiphum sp.

Sedge -- see Carex

Senecio cruenta (Common Cineraria) Acyrthosiphon solani Myzus persicae

Senecio integerrima (Lambstongue Groundsel) Brachycaudus helichrysi

Senecio sylvatious (Woodland Groundsel) Brachycaudus helichrysi

Senecio triangularis (Arrowleaf Groundsel) Aphis lugentis

Senecio vulgaris (Common Groundsel) Brachycaudus cardui Brachycaudus helichrysi

Serophidaria lanceolata (not in SPN) Macrosiphum euphorbiae

Serviceberry -- see Amelanchier

Shadbush -- see Amelanchier

Shamrock -- see Trifolium dubium

Shepardspurse -- see Capsella

Sisymbrium altissimum (Tumblemustard) Hyadaphis pseudobrassicae

Sisyrinchium idahoensis (Idaho Blue-eyes Grass) Macrosiphum euphorbiae

Smartweed -- see Polygonum

Snapdragon -- see Antirrhinum

Sneezeweed -- see Helenium autumnale

Paradonal electivicana - Electronical Electronical - Electronical El

Semecia cui i di sio i Acyrtholiph solmi Nyzu cei

endirreceil isaana famili ragar ibad Braca ceella balka keers

Sersela sulvaranus (Nordland Gr. umlesi) B. achveudu: eve

> Sence to stanguin covicas Grow Aphia sugancis

Senecio voltaria Efermore cranata de la composicio de la composicio del control del contro

Saropildaris lancerinin (not ir SEN) Mariostopou euchorbios

Servicehter -- vac AmploneS

Shadbush -- see the nechier

namouk -- see Trifolium dublum

Sheparangures -- sea Copsella

contentals multiplest (braneomeridant) contentalista paudantest contentalista paudantest

Sisyriachium idanososis (Idaho Blus-syca Ormoo) Maarneiphum suphorbian

Smarawad -- see Polygonna

Snapdangun -- wae Antirchinum

Sacczeweed -- see Melenium dutummele

Snowballbush -- see Viburnum opulus

Snowberry -- see Symphoricarpos

Solanum sp. (Annual Nightshade) Macrosiphum euphorbiae

Solanum dulcamara (Bitter Nightshade) Myzus persicae

Solanum melogena (Eggplant Acyrthosiphon solani Macrosiphum euphorbiae Myzus persicae

Solanum nigrum (Black Nightshade) Acyrthosiphon solani Macrosiphum euphorbiae Myzus persicae

Solanum nigrum var. villosum
 (var. not in SPN)
 (see Solanum sarrachoides)

Solanum pseudocapsicum (Jerusalem Cherry) Metapolophium dirhodum Myzus persicae

Solanum sarrachoides Brevicoryne brassicae

Solanum tuberosum (Potato) Acyrthosiphon pisum Acyrthosiphon solani Amphorophora arnicae Aphis craccivora Aphis fabae Aphis gossypii Aphis nasturtii Brachycaudus cardui Brachycaudus helichrysi Macrosiphum euphorbiae Myzus hieracii Myzus persicae Nasonovia ribisnigri Rhopalosiphoninus latysiphon Ropkea bakeri

Solidago sp. (Goldenrod)
Brachycaudus helichrysi
Dactynotus ambrosiae
Dactynotus rudbeckiae

Solidago elongata (Creek Goldenrod) Dactynotusa ambrosiae

Sonchus sp. (Sowthistle) Nasonivia lactucae

Sonchus asper (Spiny Sowthistle) Macrosiphum euphorbiae Nasonovia lactucae

Sonchus oleracus
(Common Sowthistle)
Aphis fabae
Dactonotus ambrosiae
Macrosiphum euphorbiae
Myzus persicae
Nasonovia lactucae

Sorbus aucuparia (European Mountain Ash) Aphis pomi Macrosiphum euphorbiae

Solanum dulcamara (Bitter Nightshade) Myzus persicae

Sowthistle -- see Sonchus

Soybean -- see Glycine soja

Spanishneedle -- see Yucca

Spiraea sp.
Aphis spiraecola

Spiraea cantoniensis (reevesiana) (Reeves Spiraea) Aphis pomi

Spiraea douglasii (Douglas Spiraea) Masonaphis spiraeae

concented to see

ermeetzori my een een

p. (Avauel Mightehade)

dulcamera Regionale) Nichole)

Malugrus (Ersplant yathor shom selent ercoslphom suphorbine persicas

nigrum (hiack Night shade) hosippos solasi saippum emphorbiae persicae

> Algrum vac. villosum co not .n SPN) Sol dum matrachoides)

> > 'Jasudocaostum rusaler Cherry) 'polophiam dichodam persicae

> > > un sarrachoiden

tuber usum (Potato)

phon pisum
tosiphon swinn(
tophora switches

craccivors

ils goesymil

ichyc ad a hallchrysky

bhoatchd s

inergir sty

respect up t de man illes per a les espectionses entrestan entresposal extloadhir entreson

Salidaro slocgata (Creek Goldanrud) satvuotuse svico: en

Somethia sp. (Sowelland)

felterator (name mana suntacie)
Macrosophe andologica
Macrosophe andologica

Onchus old s
(lommon Sownblette)
Aphia Enbae
Dectonorus arvroni
Macrosiphom suphwobina
Massurovia lachusus

orbus sucupart
(fu opean crust un leb.)
Aphis comi
Mucros vos supen (se

Sulsnun dukonmara (Altter Hightshado) Myzus parsione

Southtella -- see Soothun

BEG BELL IN SHE -- BERGARDS

Spanishucedia - - .es Yuces

Spiraea zp. Apnis opiraecola

Spirace centeniesale; (rasvasians) (Paeves Spirace) Aphia pomi

Spiraca douglasii (Douglan 1992904) Masonaphis spiracae Spiraea tinus (Laurestinus Spiraea) Aphis spiraecola

Spiraea vanhouttei Aphis spiraecola

Spiraea bumalda Anthony Watterer Aphis spiraecola

Spiraea thunbergii

Spruce -- see Picae

Squash -- see Cucurbita maxima

Stachys ciliata (Oregon Betony) Cryptomyzus ribis

Stellaria nedia (Common Chickweed) Myzus persicae

Stickleaf -- see Mentzelia

St. Johnswort -- see Hypericum

Strawberry -- see Fragaria

Strelitzia sp. (Bird-of-Paradise Flower) Rhopalosiphum fitchii

Sugarbeet -- see Beta saccharifera

Sunflower -- see Helianthus

Sweet Pea -- see Lathyrus odoratus

Sweetroot -- see Osmorhiza

Swiss Chard -- see Beta vulgaris cicala

Swordfern -- see Polystichum

Symphoricarpos sp. (Snowberry) Amphicercidus pulverulens Brevicoryne symphoricarpi Symphoricarpos albus (racemosus)
(Common Snowberry)
Aphis pulverulens
Aphthargelia symphoricarpi
Brevicoryne symphoricarpi
Hyadaphis foeniculi

Tagetes sp. (Marigold)
Myzus persicae

Tanoak -- see Lithocarpus

Tansymustard -- see Descurainia

Taraxacum sp. (Dandelion)
Bactynotus taraxaci

Taraxacum officinalis
(Common Dandelion)
Acyrthosiphon solani
Dactynotus taraxaci
Macrosiphum euphorbiae

Teasel -- see Dipsacus

Tetradymia canescens (Gray Horsebrush) Aphis tetradymia

Thermopsis montana venosa (gracilis) (Shasta Thermopsis) Macrosiphum albifrons

Thimbleberry -- see Rubus odoratus

Thistle -- see Cirsium

Thistle, Elk -- see Cirsium foliosum

Thlaspi arvense (Pennycress) Hyadaphis pseudobrassicae

Thuja sp. (Arborvitae) Cinara tujafilina Cinara winonae

Tilia sp. (Linden) Eucalipterua tiliae

Maria (pinona)

se vanhourtei

reversely cochool deterror

try reduud:

Per see Picae

ant see fucuebita maxima

otilata (Oregon Batony,

arf; nedia ||timer ||Chickweet\| | perstess

aliantack san -- ..

out -- see Hyparicum

tregari eas er

tais sp.)f-Paradise Plower) ssiphum (itchit

THE BELS WARTHBYTTEE

g -- see Heitanibus

-- see Lathyrus oduratus

sidroma0 soa:--

Char - see Beta vulgaria

- cce Polyerichum

loarpra ep. (Snowberry)
ercidus puive ulens
eymphor caroi

revers endir rugrame (of Anti-(on reduced (resmo)) endingering alder (antra course alls to 11848)

Mroving the appropriation of the control of the con

Tagotes so. Meri

were petita see -- deone

os. . . . -- hansamyenst

Taleman sp (Loniellon) Backynorus est all

Common Dandeln
(Common Dandeln
yerhosiphon esi m
acrynocus cspery
Megrosiphus cupboch se

supesqtu aar -- losse

(828) 8835880BJ =

Thermen namena cannon (granklis) (Shawta Thermopeto)

Thimbleberry -- see knows onk 781 -

histle - see Circlum

Thirtie, Elk -- seu Circing Polyagen

Thlanti arvensa (Pennyerene)

Thuje sp. (Arborvitse) Cimara Lujafilina Cimara vicenae

fills sp. (Linder)

Tilia americana (American Linden) Eucalipterus tiliae

Toadstook ? Rhopalomyzus poae

Tobacco -- see Nicotiana

Tolmie menziesi Amphorophora tolmiae

Tomato -- see Lycopersicon

Touch-me-Not -- see Impatiens

Tragopogon porrifolius (Oysterplant or Salsify) Macrosiphum euphorbiae

Trifolium sp. (Clover) Roepkea bakeri

Trifolium agrarium (Hop Clover) Acyrthosiphon pisum

Trifolium dubium
(Shamrock or Suckling Clover)
Acyrthosiphon pisum

Trifolium hybridum (Alsike Clover) Acyrthosiphon pisum Roepkea bakeri

Trifolium incarnatum var. elatius (Crimson Clover) Acyrthosiphon pisum Aphis craccivora

Trifolium officinale (Yellow Sweetclover) Acyrthosiphon pisum Therioaphis riehmi

Trifolium pratense (Red Clover) Acyrthosiphon pisum Roepkea bakeri

Trifolium repens forma gigantea (Ladino Clover) Acyrthosiphon pisum Triticum sativum (Wheat)
Aphis craccivora (? Stray)
Macrosiphum avenae
Metapolophium dirhodum
Rhopalosiphum fitchii
Rhopalosiphum padi
Schizaphis graminum

Tsuga sp. (Hemlock) Cinara tsugae

Tsuga mertensiana (Mountain Hemlock) Cinara sp. Cinara wahsugae

Tulipa sp.
Acyrthosiphon solani
Aphis fabae
Dysaphis tulipae
Macrosiphum euphorbiae
Macrosiphum tulipae

Tumblemustard -- see Sisymbrium

Turnip -- see Brassica rapa

Twinflower -- see Linnaea

Typha latifolia (Common Cattail) Macrosiphum avenae

Ulmus sp. (Elm)
Eriosoma americanum
Eriosoma lanigerum
Tinocallis platani
Tinocallis ulmifolii

Ulmus americana (American Elm)
Eriosoma americana
Eriosoma lanigerum
Myzocallis elegans
Tinocallis platani
Tinocallis ulmifolii

Ulmus campestris Schizolachnus rileyi

and Pheerlean Linden)

gace pusymolisics

P -- see Micorians

(Doro, hora triming

nee Lycoporsicon

m-Not -- see Impations

poson porrifolius cerplant or Salnify) cerosiphum suphorbias

sp. (Clover)

um agrestos Clover) Celober es

"ium dubies.

mreck or Suckling Clover

m h slahes misse

Lium hybridum Laike Clover) rthosiphon pisum hakare

liud incarragium var. elatius Eis Glover) Tosiphon pisum

of icinale
w Sweetclover)
then pieum
s riches

(200 th munt) a mustification of the control of the

Cinc a tenene

pie team inn agui (Commanta trans) (Commanta year a arman a conto

ACPT Ebouress
ACPT Chowless
Aprile taben
Desable Culture
Hew ceinkum euchorbing
Facrusteium ultone

Tumblemustord - Sigymbra

Turnip -- sea Eramaica rapa

Twinflower se Linnees

Typhs lectfoles (Common Percess)

Inus sp. (Fin)
Ericeoms americanus
Ericeoms isoiserun
Tinucalita piakani
Tinucali nimifoli

Ulmus abericana (American Ilm) Ericaoma americana Ericaoma lantgerum Myzocalife atagana Timocalife plagana

> Ulmus caupearris Schizolacheus rilant

Ulmus carpinifolia suberosa (Corkbark Elm) Eriosoma lanigerum Eriosoma ulmi or E. rileyi Schizoneura rileyi or S. ulmi

Urtica sp. (Nettle)
Macrosiphum euphorbiae

Urtica holosericea (Nettle)
Acyrthosiphon pisum
Aphis craccivora
Macrosiphum euphorbiae
Microlophium carnosum

Urtica lyalli (Lyall Nettle) Aphis fabae Macrosiphum sp.

Valeriana sp.
Macrosiphum euphorbiae

Valeriana sitchensis (Sitka Valerian) Aphis fabae

Veratrum viride (American False Hellebore) Aphis coweni Aphis ? veratri

Vetch Common -- see Vicia sativa

Vetch -- see Vicia

Vetch, Hairy -- see Vicia villosa

Viburnum carlesi (Korean Spice Viburnum) Ceruraphis eriophori

Viburnum ellipticum (Oregon Viburnum) Neoceruraphis viburnicola

Viburnum opulus (Snowball Bush) Aphis fabae Neoceruraphis virburnicola

Viburnum triobum (American Cranberry bush Viburnum) Neoceruraphis viburnicola Vicia sp. (Vetch) Acyrthosiphon pisum Macrosiphum creelii

Vicia americana (American Vetch) Macrosiphum creelii

Vicia faba equina (Horsebean) Aphis fabae

Vicia sativa (Common Vetch) Acyrthosiphon pisum

Vicia villosa (Hairy Vetch) Acyrthosiphon pisum

Vinca minor (Common Periwinkle) Acyrthosiphon solani

Viola odorata (Violet)
Rhopalosiphoninus latysiphon

Viola tricolor var. hortensis (Pansy) Acyrthosiphon solani Myzus persicae Rhopalosiphoninus latysiphon

Walnut -- see Juglans

Watercress -- see Nasturtium officinale

Watercrowfoot -- Ranunculus aquatilis

Waterdropwort -- see Oenanthe

Waterlily -- see Nymphaea

Watershield -- see Bresinia

Wheat -- see Triticum sativum

Wheatgrass -- see Agropyron

Willow -- see Salix

Willowweed -- see Epilobium adaenocaulum

Xerophyllum tenas (Common Beargrass) Aphis helianthi

carrilffilm exhorors
ber kim),
seems igerum
seems iks riloyi
mos rileyi or S. nimi
o. (Mettle)

| bolosert.ca (Nettle) puthosiphon pisum creceivora rosiphum suphirbles slophium carnosum

lyallt (Lyail Wettle) fabse osuphum cp.

> sp. cuphorbiae

> > stichengis itze Valerian) Min fabus

m viride' marican Palae Wellebore) cowens. it ? verstri

Compor -- see Vicia sativa

alolV esa

n ellipticum ego Viburaum) ceruraphis viburatcola r.

Plela sp. (Veten) Attrobedghon breum

Whels american (Amorgona Pale Macroslobus creett)

Vicia faba equina 19ec. -m) Aphia fabou

Meda sativa (Common Vetra, Acveniostohos visa

Vicia villess (Mairy Vareh - Acyrchoelgeon piem

Vinca minor (Commo Perlyththe Acytthosiphon coloni

Viole ederate (Violer)
Rhopalesieboniaus Ingratonen

Viola Eficolor var. harleorija (Pansy) Acyr hosiahou solani Hyrus paraicse (Rhopalosir)oninum intvatoku

Valuat -- see Juntana

stercrass -- see Yeaturilum officionale

Watercrowfoot -- Renunculus aquatilia

Waterdropwork -- see Denonche

Arrestily -- see Nymphaea

Watershield -- see Bresinia

Wheat -- see Teltloom estimum

Wheatgrass -- see Agrepyras

Millow -- wolling

Millowaed - see Epileblam

Marcebyllum tenas (Common Beargrains) Aphie belianthi Yarrow -- see Achillea

Yucca sp. (Spanish Needle)
Aphis fabae

Zea mays var. saccharata (Sweet Corn) Rhopalosiphum maidis Rhopalosiphum padi

Zigadenus venenosus Macrosiphum kiowanepus

Zinnia sp.
Aphis gossypii
Myzus persicae

collidat h -

9. (Openiet Vaedle) d febee

Ye var. maccharata Corn) maloalphum maidla wa' salphum pad!

Dus Venenosus

11. gyesog ski

